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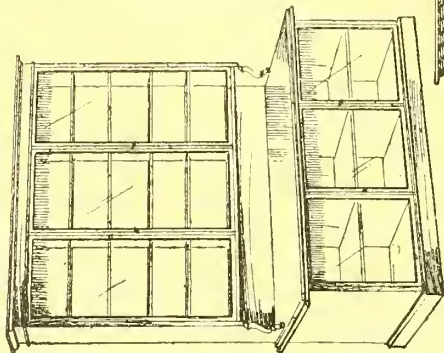
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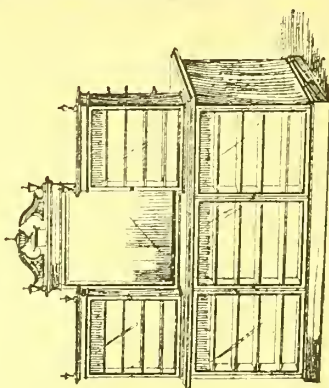
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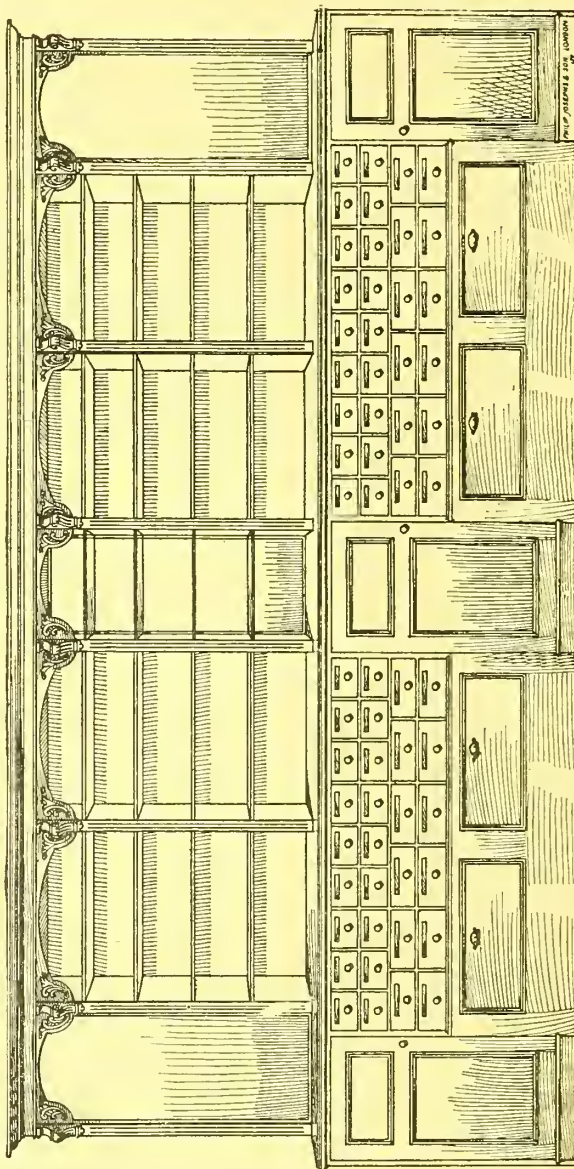
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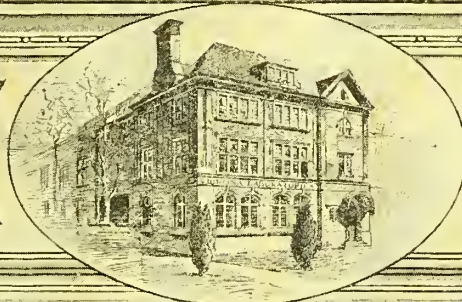
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# MINIMUM PRICES

*for* BILE BEANS, ZAM-BUK & PEPS.

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CARLTON HILL,  
LEEDS.

November 1916.

The Directors have decided that as and from December 1 the minimum prices of Bile Beans, Zam-Buk and Peps shall be the face value of the goods—that is to say, 1/3 small size, and 3/- large size. Extra large size Zam-Buk 5/-, Largest size Zam-Buk 12/-.

The large multiple Chemists' businesses have all signified their intention to adopt the new minimum prices. We shall be glad if you will kindly note these new minimum prices, and issue instructions to your Assistants that they be maintained.

Special attention is drawn to the fact that our wholesale prices remain unchanged, and as the minimum prices have hitherto been  $1\frac{1}{2}$ d. and 2/9, the new prices will mean  $\frac{1}{2}$ d. per box extra profit small size, and 3d. per box extra profit large size. This makes a very high profit on the large size, and it is particularly hoped that Chemists will push this size. When bought direct, say in a Window-Show Parcel, the large size shows  $7\frac{1}{2}$ d. a box profit plus Window-Show allowance.

Ven-Yusa selling at 1/-, and Zam-Buk Soap, minimum price  $10\frac{1}{2}$ d. for the 1/- size, remain unaltered. These lines already show a very high margin of profit to the trade.

The trade are particularly requested to note any case of cutting in their particular district, and to advise us immediately in order that we can take steps to bring offenders into line.

Yours truly,

C. E. FULFORD, Ltd.

---

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{ Messrs. T. McMULLAN & CO., Victoria Street, BELFAST.  
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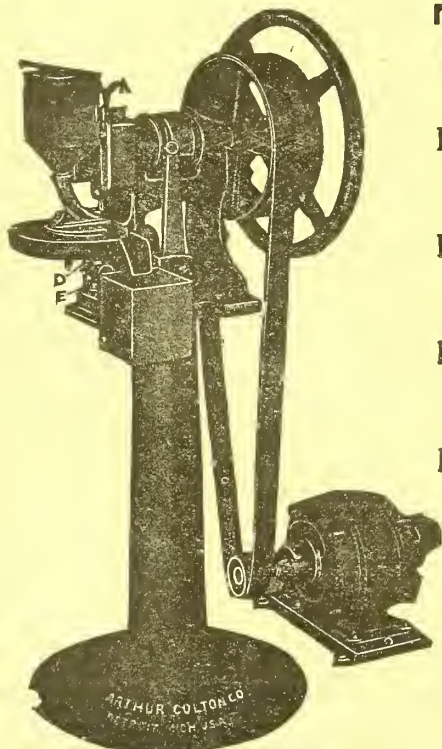
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*A copy of the following letter has been forwarded to the British Purchasers of the Sanatogen Co.*



SOLE MANUFACTURERS: SOUTHALL BROS. & BARCLAY LTD  
19, 20, 21 Lower Priory,  
BIRMINGHAM.

Nov. 28th.16.

The British Purchasers of Sanatogen Co.,  
12 Chenies Street,  
London, W.C.

Dear Sirs,

We see from your advertisement in this week's issue of 'The Chemist and Druggist' that Lord Rhondda since the War has tried several substitutes for Sanatogen, but found none of them as good. Evidently he has not tried 'VITAFER,' which is not only a substitute, but an improvement, and which was introduced by us with these improvements in 1910, that is 4 years before the outbreak of War.

We enclose a sample tin.

Yours faithfully,

*Southall Bros Barclay*

The Crêpe that can be Boiled!!!

# The "TETRA" CRÊPE BANDAGES

Important Points of Interest to Chemists in connection with "Tetra" Crêpe Bandages.

- (1) "TETRA" Crêpe Bandages can be boiled repeatedly in washing, and will not only regain all their elasticity but will remain soft and comfortable all the time. This can be said of no other Crêpe Bandage.
- (2) "TETRA" Crêpe Bandages are made in 10 different widths ranging from 2 in. to 12 in. This allows application for any required position on the body. All widths are carried regularly in stock in London and can be supplied without delay.
- (3) "TETRA" Crêpe Bandages represent Profit to Chemists. Customers are satisfied after wearing them, and always re-order "TETRA."

*Chemists are enthusiastically taking up "TETRA" Crepe Bandages in all parts of the United Kingdom, the Dominions, India and the Colonies. All Chemists stocking "TETRA" all over the Empire who have not yet received our handsome counter and window showcards should communicate with us without delay.*

Sole Distributors for the British Empire of "TETRA" CRÊPE BANDAGES, "TETRA" SURGICAL DRESSINGS, "TETRA" HYGIENIC AND NURSERY SPECIALITIES—to the Wholesale Trade only.

**CLEMENT & JOHNSON**  
19 Sicilian Avenue, London, W.C.

Telegrams : "Clemalex London."

Telephone : City 4373.





# PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

*R. W. GREEFF & CO. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries*  
(WHOLESALE QUANTITIES ONLY.)

Acetanilid  
Amidopyrin  
Barbitone  
Bromide of Ammonium  
Bromide of Potassium  
Bromide of Sodium  
Chloral Hydrate  
Cinchonine Sulphate and Muriate  
Cinchonidine Sulphate  
Citric Acid  
Cocain Hydrochlor and Puriss  
Cream of Tartar  
Creosote Carbonate  
Eucalyptus Oil—B.P. 70 %  
Formaldehyde

Gallic Acid  
Glycerophosphates  
Guaicol Carbonate  
Heliotropin  
Hexamine  
Homatropine  
Hydroquinone  
Isarol (best Ichthyol substitute)  
Lithia Carbonate  
Lithol (Ichthyol substitute)  
Mercurials  
Methylene Blue Medicinal  
Methyl Salicylate  
Peppermint Oil  
Pepsines, Pancreatin, Peptone and other digestive Ferments

Phenacetin  
Phenazone  
Pyrogallic Acid  
Potassium Sulpho-Guaicolate  
Quinine and Salts  
Quinine Ethyl Carbonate  
Salicylate of Soda  
Salol  
Sugar of Milk  
Tannic Acid  
Tannin Albuminate  
Terpineol  
Terpine Hydrate  
Theobromine  
Thymol Crystals  
Vanillin

## R. W. Greeff & Co.,

THAMES HOUSE,  
QUEEN ST. PLACE,  
LONDON, E. C.



MANCHESTER BRANCH:  
Lloyds Bank Buildings,  
King Street,

ALSO AT  
NEW YORK:  
R. W. Greeff & Co.,  
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# "FARRIS'S" GENUINE WHITE BEESWAX.

AIR BLEACHED AND GUARANTEED B.P.

IN 1-oz. FLAT ROUNDS OR BLOCKS.

ALSO WAXES OF EVERY KNOWN KIND.

*The only actual Manufacturing Wax Chandler in the City of London.*

**CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.**

Works—HELMET COURT, BISHOPSGATE, E.C.

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(Size 9 x 5½)

Bound Cloth Boards.

per 1/6 copy.

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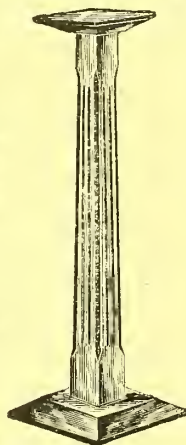
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**FORD, SHAPLAND & CO.**

Label & General Printers,

GREAT TURNSTILE,  
HIGH HOLBORN, LONDON, W.C.

## "OPEN" WINDOW-DRESSING



with OAK PEDESTALS  
and GLASS SHELVES

makes your window easier to dress, uses less stock, enables you to achieve a more artistic and effective display, and by constant rearrangement permits the attainment of a different style of dressing each week.



No. SF 1107. Polished.  
SOLID OAK PEDESTALS  
with Fluted Pillars.  
Inches. Doz.  
12 ... 22/-  
18 ... 27/6  
24 ... 36/-  
30 ... 45/-

For use with Glass  
Shelves or Cardboard  
Display Cards.

Full Illustrated List of Showfittings, No. C. 269, Free.

PLATE GLASS OVAL  
SHELVES.

Polished Edges.  
18x12 ... 5/9 each.  
24x18 ... 10/- "

ROUND SHELVES.

18x18 ... 9/5 each.  
24x24 ... 13/- "

**Dudley & Company,** 451, 550 & 558 Holloway Rd.,  
LONDON, N.



# FOR THE WINTER GIRL



The woman who studies her complexion throughout the Seasons knows the subtle final touch which the application of

## 'PAREX' (REGD.) BEAUTY LEAFLETS

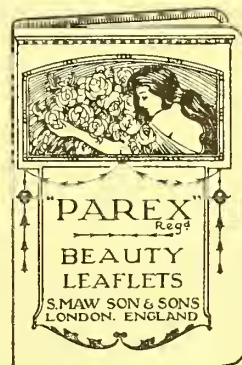
imparts. This dainty toilet requisite—finest absorbent paper coated with the purest powder—is a charmingly perfumed boudoir preparation.

"PAREX" (Regd.) BEAUTY LEAFLETS are put up in attractive books, as illustrated. The cover is printed in several colours.

3/-

DOZEN  
(WITH BONUS).

You know how good are the  
"Parex" Preparations.  
Add this one to your stock.



## The "Tanks"

A curious public has at last been allowed to gain an impression of the "Tanks" by the means of official photographs.

Imagination gives way to fact. We see the "Tank" as it really is—a cumbersome but business-like looking vehicle of destruction.

...

"And this," you say meditatively, "is the contrivance that 'eats up' trees, walks over trenches, and pushes over houses, and fills the heart of the enemy with fear." You recollect how a "Tank" proceeded up the main street of Flanders in defiance of bullets and bombs. Three hundred Germans were killed in an abortive attempt to capture one. "Land Dreadnought" this war machine was dubbed by descriptive journalists; Caterpillar, War Whale, Saurian, Wibbly-Wobbly, Shark, Pachyderm, Slug, Big Willie, and Ichthyosaurus

were titles bestowed upon the invention by the versatile Tommy.

...

The novelty of to-day becomes of ordinary interest to-morrow. The veil has been lifted. We can visualise a "Tank" with the same ease as we can visualise a motor omnibus. The imaginative drawings, the illusions based on exaggerated details, the rumours, are all swept away by stern reality.

...

The public like to get down to facts. They like to *know*. There is nothing so irritating as half-concealed in-

formation. They understand that the necessities of war demand such precautions with regard to military matters.

...

The public hold a different view when it comes to commercial transactions. They are paying, and they have the right to know what they are buying. It is hard to arouse interest in lines of visionary merits and reputations which cannot be proven.

The public call a spade a spade. They call Maw Quality—*Capsule*—Maw Quality. And they know what it means.

Maw's

S MAW, SON & SONS  
(GPO BOX N° 54)  
7-12, ALDERSGATE ST.  
LONDON E.C.

Page

NUMBER 268

DEC. 2, 1916

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m.

CLOSE AT 1 p.m. SATURDAYS



# OSRAM-ATMOS

TYPE

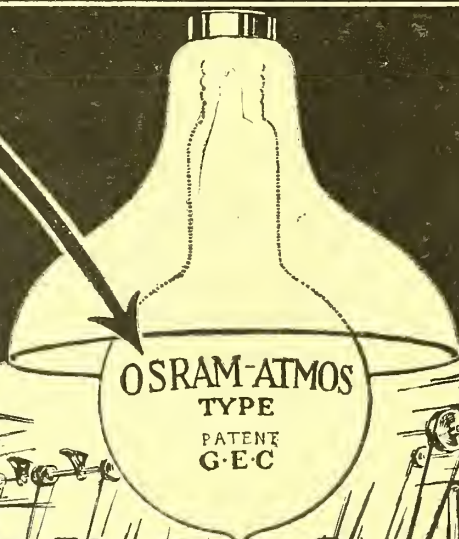
**This Mark**



signifies lamps burning in a volume of inert gas, with filaments of a peculiar coil formation, generally known as "Half Watt Lamps." They are manufactured under fundamental patents, at the Osram Lamp Works, Hammersmith, W.

Such lamps are approximately **TWICE AS EFFICIENT** as ordinary Tungsten Lamps, and consequently **GIVE DOUBLE ILLUMINATION WITHOUT INCREASING THE COST OF ELECTRICITY.**

**OSRAM-ATMOS TYPE LAMPS** are particularly recommended for **SHIPYARDS, FACTORIES, MILLS, DOCKYARDS, RAILWAY STATIONS,** and are extensively used by the **ADMIRALTY, WAR OFFICE and MINISTRY OF MUNITIONS.**



**EFFICIENCY TWICE** THAT OF AN **ORDINARY TUNGSTEN LAMP**

Advt of the GENERAL ELECTRIC CO. LTD. Head Office, 67, QUEEN VICTORIA ST. London, E.C.



SCIENTIA

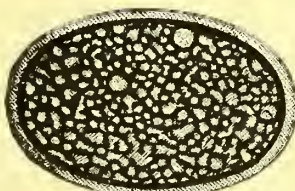


DILIGENTIA

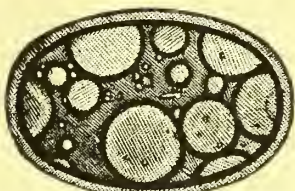
# BURGOYNE'S CREAM EMULSION

*Palatable & Easily Digested.*

Guaranteed to contain the Finest NORWEGIAN Cod Liver Oil.



BURGOYNE'S "CREAM" EMULSION.



ORDINARY EMULSION.

PHOTOGRAPHS MAGNIFIED 140 TIMES.

Burgoyne's "Cream" Emulsion is supplied with several different styles of Labels and Cartons, printed with Chemist's own name and address.

*Samples and Prices on application.*

Manufactured in the Laboratories of

## Burgoyne, Burbidges & Co.

Manufacturing Chemists,

LTD.

EAST HAM ————— LONDON, E.

Telegrams: "Zotalene, 'Phone, LONDON."

Telephone: EAST HAM 636 (four lines).

# Petroleum Jelly

White, Yellow, Amber,  
& Ruby Red, for all  
Pharmaceutical and  
Veterinary purposes

MEADE-KING, ROBINSON & CO.  
LIVERPOOL . . . MANCHESTER

## Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow  
and golden, for pharmaceutical  
purposes.

MANUFACTURED SOLELY BY

**The Dee Oil Company, Ltd.**

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs, and smaller  
packages according to requirements.

Inquiries are solicited for this article  
of **BRITISH MANUFACTURE**, and  
buyers may rely that for quality and  
price it will meet any competition.

Other Grades

**Petroleum Jellies, White Bases, &c.**

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

'Phone: 186 Bootle.

Wires: "Cestrian Liverpool."

*We are Headquarters for*

**WAXES**  
**PETROLEUM**  
**JELLIES**  
**AND**  
**WHITE OILS**

SEND YOUR INQUIRIES TO US:—

**J. J. Franses & Sons,**

**80a Southwark Street**  
**LONDON, :: S.E.**



# Extra Discount Continued

The Extra 2½% discount offered to our customers since the commencement of the war (in lieu of Stocking bonus) has been so much appreciated by the trade that we have decided to continue the same for the present as part of our ordinary terms.

Rates of Discount given below, for cash in seven days from date of invoice, in one consignment to one address: Orders of £1 and under £2, List Prices less 1/6 in £ (7½%)

|   |              |   |      |   |   |      |   |        |
|---|--------------|---|------|---|---|------|---|--------|
| " | £2           | " | £5,  | " | " | 2/-  | " |        |
| " | £5           | " | £10, | " | " | 2/1½ | " |        |
| " | £10          | " | £20, | " | " | 2/3  | " |        |
| " | £20          | " | £40, | " | " | 2/4½ | " | (12½%) |
| " | £40 and over | " | "    | " | " | 2/6  | " |        |

## 10% on £2 orders

**Cadbury's Cocoa**  
&  
**Bournville Cocoa**

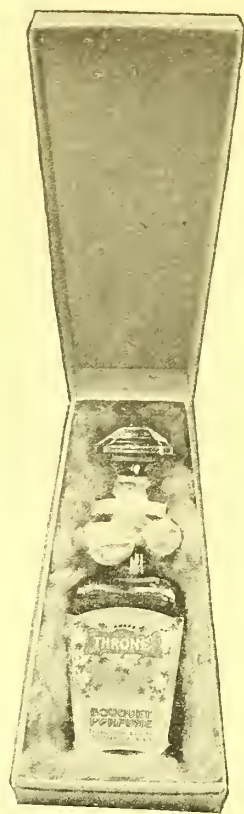
These terms do not apply to Breakfast Chocolate, "Own Name" Cocoa, Pure Cocoa Powder, Flavoured Cocoa Powder, Dining Room Cocoa and Loose Cocoas, but these may all be used to make up quantities to obtain same.

### REDUCED RETAIL PRICES.

¼-lb. 9d.    ½-lb. 1/5½    1-lb. 2/10    2-lb. 5/7

also 3½d. and 5½d. packets.

PRICE LIST AND SAMPLES ON APPLICATION.    CADBURY BROS. LTD., BIRMINGHAM



No. 999.

Box containing one  
bottle of  
"THRONE"  
Perfume, fancy box.

Price 1/6 each.

# XMAS PRESENTS

WHAT more suitable than a  
choice bottle of Perfume, or  
an assorted box of Toilet Soaps  
and Perfumes?

On this and the facing page  
we illustrate examples.

Full list sent with pleasure on receipt  
of Postcard.



BY APPOINTMENT



## Edward Cook & Co.

LIMITED,

The Soapery :: BOW, LONDON, E.



FOR over a quarter of a Century we have been manufacturing this deliciously perfumed Super-creamed Soap, and its popularity increases with every year that passes.



No. 956.

Box containing two tablets of "RIVERA ELITE" Toilet Soap and one bottle of "RIVERA" Perfume.

Price 11/- per dozen boxes.

Retail price,  $1\frac{1}{3}\frac{1}{2}$  per box.



No. 957.

Box containing two tablets of "RIVERA VIOLETS" and one bottle of "RIVERA" Perfume.

Price 11/- per dozen boxes.

Retail price,  $1\frac{1}{3}\frac{1}{2}$  per box.

THIS Soap is the well-known 'Rivera' brand but perfumed with 'Violets.'

It is delightfully fragrant in use.



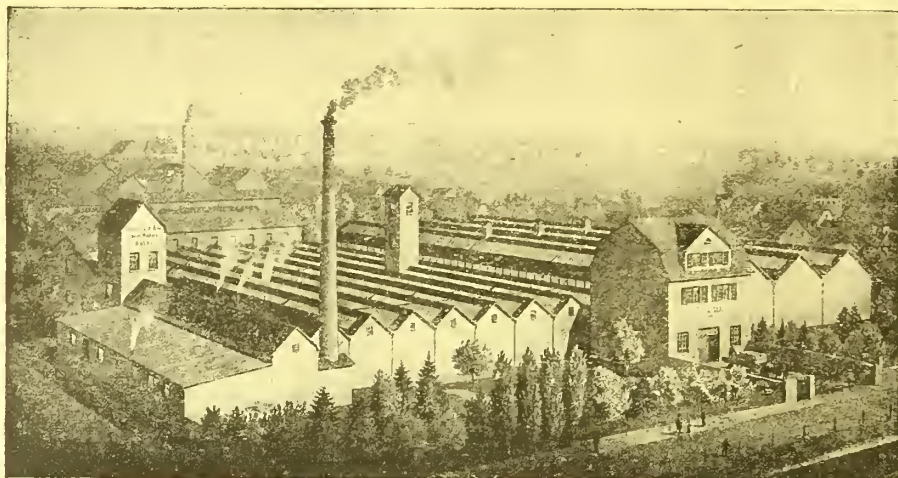


# HERM. MADOERY, BASLE

Chemical Works,  
(SWITZERLAND).

SWISS  
FIRM.

Ask  
for  
Price  
List  
No. 9



Founded  
1902.

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for  
Price  
List  
No. 9

WORKS AT BINNINGEN, NEAR BASLE (SWITZERLAND).

## SPECIALITIES:

Silver Proteinate = \*Argoprot.  
" Nucleinate = \*Nuclargent.  
" Colloidal = \*Argloid.  
Quinine Salts.  
" Ethylcarbonate.

\* These names are registered by my firm.

\*Sulphothyol, Ph. Belga.  
" Commercial.  
Tannin Alb. ex ovo = \*Talbin.  
Diethylbarbituric Acid.  
Vanillin Cryst. 100%.  
Extract Filicis Maris, and other Extracts.

# DR. EVAN WILLIAMS'



# HIENNA SHAMPOO

BRITISH MADE

# SAFETY RAZORS

Blades and Cases.

36 Varieties.

WRITE FOR LIST.

**WILLIAM P. KELLAND,** 36 & 37 Camomile Street,  
LONDON, ENGLAND.



**F. M. RUDD,**  
**Bronson,**  
**MICHIGAN,**  
**U.S.A**

**GENUINE AMERICAN  
PEPPERMINT OIL**

*"Columbia" Natural*  
*"Diamond White"*  
*Re-distilled.*

Finest qualities for Druggists,  
Distillers and Confectioners.

*Sole Consignees in United Kingdom—*  
**R. W. GREEFF & CO.**  
Thames House,  
Queen St. Place, LONDON, E.C.

*Cable Address: "BURNSIDE." Code: A B C, 5th Edition.*

**EUCALYPTUS OIL, Rectified**

Eucalyptol content 70 to 80%

Optical rotation .... 0 to 1

Specific Gravity .... .919 to .928

ABSOLUTELY FREE FROM PHELLANDRENE.

Quotations by cable. Wholesale trade only.

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EUCALYPTUS OIL DISTILLERS.  
EAGLEHAWK, VICTORIA, AUSTRALIA.

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*"MAGLAUR."*

Importers and Manufacturers.

**ESSENTIAL OILS,  
VANILLA BEANS,  
DRUGS & CHEMICALS.**

*We offer for sale—*

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|--------------------------|------------------------|
| Oil Peppermint, American | Oil Sassafras, Natural |
| " Spearmint              | " " Artificial         |
| " Birch (Wintergreen)    | " Wormseed, Baltimore  |
| " Wintergreen Leaf       | " Wormwood, American   |
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| " Limes, Distilled       | Balsam Tolu            |
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We solicit correspondence relating to the purchase or sale  
of any article used in the Drug, Perfumery or Soap Trades.

**A. Boake Roberts  
& Co., Ltd..**  
**STRATFORD, LONDON, E.**

Distillers and direct  
Importers of all important

**Essential Oils.**

Manufacturers and Distillers of

**ESSENCES,  
SYNTHETIC PERFUMES, &c.**

including

Anethol, Citral,

Citronellol, Eugenol,

Geraniol, Geranylacetate,

&c.

Terpeneless Oil of Lemon,

Sesquiterpeneless

Oil of Lemon.

*Write for samples and quotations.*

**A. Boake Roberts  
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A powerful antiseptic and deodorant.

# "PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

**Retails in 3d. and 6d. packets**

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

**THE ROSMARINE MANUFACTURING COMPANY,**  
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CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.

## PROFITABLE SELLERS FOR PRESENT SEASON.

**A1 MENTHOL SNUFF** (In Oak Design Tin)  
P.A.T.A. 3½d., 2/1 doz.; 6 doz., 1/10; 1 gross, 20/6.

**A1 VIOLET COLD CREAM**  
1½d. Tins, 12/- gross; 3d. Tins in carton, 2/- doz.

**COLD CREAM** (In Tubes)  
Quality 1. 3/-, 3/6 and 5/6 doz. In Bulk, 1/2 lb. Best Quality.  
" 2. 2/9, 3/3 and 4/9 " " " 3d. lb. "M" " 1."

**TOILET LANOLINE** (In Tubes)  
2/6, 3/3 and 4/9 doz.

**BROMPTON LOZENGES**  
In Decorated Hinged Tins, 2/9 and 4/- doz.

**FORMALIN AND MINT TOOTH PASTE**  
In Collapsible Tubes, each in a carton, 4/- doz.

**THYMOL TOOTH PASTE** ... " "

**WHITECROSS TOOTH POWDER** (Two Sizes)  
Small, 3/- doz.; 3 doz. 2/6; 6 doz. 2/6; 1 gross 27/-  
Large, 4/- " 3 " 3/9 " 3/6 " 1 " 39/-  
This is a splendid selling line, having received the Certificate of Merit from the Institute of Hygiene.

**PRIMROSE TABLETS**  
A very fast selling 1d. line for Winter, 8/- gross.

**TRENCH POMADE**  
Each in carton, 3/- doz.; 6 doz. 2/6; 1 gross 30/-  
Tin Boxes in variety for Ointments, Lozenges,  
"Vaseline" Cold Cream, Camphor Ice, etc. etc.

**SPECIAL QUOTATIONS FOR QUANTITIES.**

**SHIRLEY BROTHERS, LIMITED,**  
Whitecross Works, London, S.E.

## TITTERTON'S CELEBRATED HAIR BRUSHES

**GOOD PROFITS**  
are made by selling  
**TITTERTON'S  
CELEBRATED  
BRUSHES**

(Hair, Tooth, Nail & Shaving Brushes).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.  
*Illustrated Catalogue on application.*

**TITTERTON & HOWARD,**

Brush Manufacturers,  
8 & 10 Great Titchfield St., London, W.



**LABORATORY  
OF GENERAL PHARMACOLOGY,  
8, Rue Vivienne, Paris.**

**LONDON AGENTS:  
WILCOX, JOZEAU & Co., 49, Haymarket, S.W.**



**CHAPOTEAUT'S  
CAPSULES of  
PHOSPHOGLYCERATE  
of LIME.**

**THE BEST TONIC FOR  
FORTIFYING AND BUILDING UP  
THE NERVOUS SYSTEM.**

*Sold by all Chemists.  
Wholesale: 8, Rue Vivienne,  
PARIS.*

**MORRHUOL CHAPOTEAUT**



**CAPSULES**

MORRHUOL DE CHAPOTEAUT  
is extracted from cod-liver oil, and  
contains all its efficacious proper-  
ties without the disagreeable taste.

*It cures Coughs, Bronchitis and Catarrh,  
restores the appetite, and gives force to  
feeble persons.*

**SOLD BY ALL DRUGGISTS.**

**CHANDRON'S  
DROPS**

**(Gouttes des Colonies)**

**A harmless antiseptic  
preventative against CHOLERA-  
FERMENTATION - INDIGESTION  
either intestinal disturbances.**

**SOLD BY ALL CHEMISTS**



*I find the odor exquisite and  
well be charmed to have created  
by my name. Very sincerely,  
Mary Garden*

**PARFUM  
MARY  
GARDEN**

**RIGAUD**  
PARFUMEUR  
16, RUE DE LA PAIX,  
PARIS.

**LONDON AGENTS  
HEPPELL & CO., 164, Piccadilly, W.**



# FEATHEREDGE RUBBER SPONGES

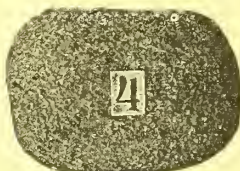
THOROUGHLY  
SANITARY  
AND  
DO NOT  
HARDEN

—  
Very  
**GOOD  
PROFITS**

for the  
Retailer

—

OBTAINABLE  
OF ALL  
DRUGGISTS'  
SUNDRIES  
HOUSES



**Markt & Co., London,**  
—LTD.—

American Merchants,  
SOLE IMPORTERS,  
98-100 CLERKENWELL RD.,  
LONDON, E.C.

## ELEY BROTHERS, LIMITED

specialise in the manufacture of  
the following articles at the  
lowest prices:

### Shaving Stick Cases

### Oval and Round Tops

for Powder Tins, Cruets,  
Dredgers, etc.

### Metal Boxes

for Dentifrices, Soap Tablets, etc.

### Ferrules

for Walking Sticks, Whips,  
Bamboo Fittings, etc.

### Pencil Fittings

in any of the following metals:  
Brass, Copper or White-metal  
(nickel or silver-plated),  
Aluminium and Jewellers' Metal  
(Tombac).

*During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.*

**ELEY BROTHERS, Ltd.**

(Dept. 21), Edmonton, London, N.



Established in the Reign of King William the Fourth

Midgleys



Manchester

TELEPHONE: 7665 &amp; 7666 CITY.

REG'D OFFICE: 4, EXCHANGE STREET.

TELEGRAMS: MIDGLEY, CHEMIST, MANCHESTER.

## It is difficult

to describe with both adequacy and brevity the various individual selling points associated with each of our new Toilet Soaps, but following on our general remarks a week or two since we endeavour here to set forth some outstanding features.



### ROSE LEAF SOAP.

Treble milled and perfumed with a perfect representation of the Marechale Neil Rose. 4-oz. tablets in gold and shaded cerise wrappers and box. Large and small showcards supplied. Sells at 2s. 6d. per box or 10d. tablet.



### MIDGLEY'S WHITE ROSE.

Our original soap for the toilet still retains its old-fashioned design and excellence. Pure, neutral, and non-irritating to the most sensitive skin. Can always be safely recommended. 6d. tablet, 1s. box of 3.



### MIDGLEY'S COAL TAR.

Containing a substantial quantity of coal-tar. Always a good seller. 4d. tablet, 1s. box of 3.



### SAVON ISIS DUMA.

Put up in true French style with all the richness of colour and design. The perfume conforms entirely with the general effect, and has the penetrating power of the modern French creations. 2s. 6d. per box of 3. 10d. tablet.



### CELEBRATED BATHROOM SOAP.

Made from our best base and produced with a view to giving the maximum in weight, purity, and lastingness of perfume and to fill the enormous demand for a 6d. Bath Soap.



### BASIC SOAP.

Perfectly neutral, eminently suitable for the skin of babes. 9d. tablet.



### EUCALYPTOL.

The type of the medicated soaps. 6d. tablet.



### EAU DE COLOGNE SOAP.

A double-strength perfume is used. Largely in favour with the gentlewomen of refined and æsthetic taste. 4-oz. tablets and presented in companion style to Rose Leaf, but in contrasting colour of shaded green. 2s. 6d. box.



### WITCH HAZEL SOAP.

An ideal toilet soap with a delicate perfume that lasts to the end. Rich lathering properties. In wedgewood-blue wrappers and box with lettering in relief. Sells at 4d. tablet or 1s. box of 3.



### EMOLLIENT CREAM SOAP.

Benzoinated and gives a creamy lather with emollient effect. 4-oz. tablets richly packed. 10d. tablet, 2s. 6d. box of 3.

## We are Seven.

We appoint and reserve one agent only in each town or district.  
We secure an "own speciality" rate of profit to him.  
We recognise a dual responsibility with him for actual sales, and to this end We provide

- (a) Showcards for display.
- (b) Medical literature for Medicos.
- (c) Chatty leaflets for laity.
- (d) Free samples both medicated and toilet.

We write personally with literature and samples to each medical man in district, referring to agent for supplies.  
We take back for exchange any lines for which the demand in a particular district may be slow.

We retain an advertising reserve for meeting any special schemes of our clients for propagating sales in their particular district.

## The Principle of Bonus Schemes

when correctly applied should be the payment of an extra consideration in return for an extra service. A bonus should not be given as part of, but supplementary to, working profit. Otherwise it may, and sometimes does, disguise an inadequate margin, which latter becomes evident only when the purpose for which it was instituted being accomplished, the bonus is discontinued.

## Midgleys guarantee

the Pharmacist handling their Soaps a very fair margin; they assure their special agents a handsome profit, on a par with that expected from one's own counter specialities; and, in addition, give an important bonus as payment for window or counter space when a display is made.

Will you please write us to-day for price list and samples.





# THE FRENCH NATURAL MINERAL — WATER. —

## VICHY-CÉLESTINS

**DISORDERS of the LIVER, GOUT,  
Diabetes, Rheumatism, Gravel, &c.**

### VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

**CAUTION.**—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

**PROPERTY OF THE FRENCH GOVERNMENT.**

### You Reap the Profits!

The above is only one of the many forceful advertisements now appearing in the most influential National publications and Fashion periodicals telling housewives that Iron-mould is no longer immovable. Moovol contains no injurious acids and is not harmful to the most delicate fabric.

ARE YOU PARTICIPATING IN THE PROFITS?

Send a P.C. for trial stock and display material to

**WM. EDGE & SONS, LTD.,  
BOLTON, LANCs.**

(THE DRUMMER DYE PEOPLE.)

*Dinkie*  
The Dainty Deodorant

A new and attractive line that is sure to enjoy good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars. Ask your wholesaler.

**DECOLENE**  
The liquid hair remover

A new idea in depilatories. Simple and safe to use—effective in use. Pleasant and harmless. Invaluable during the vogue of the décoletté gown. Daintily packed. Ask your wholesaler.

### TRADE TERMS

**DINKIE:**  
Advertised, and min. 2/6  
Retail Price . . . 20/- doz.

**DECOLENE:**  
Advertised, and min. 3/9  
Retail Price . . . 30/- doz.

Monthly Accounts nett. 5 % Cash  
with Order.  
Carriage Paid on £1 lots. Particulars  
on request.

**ROBARTES LTD.**

128 Jermyn Street, London, S.W.  
Telephone: Gerrard 3672

Satisfaction  
Guaranteed  
or Money back



Trade Mark



**PRESCRIBED FOR MEMBERS OF THE ROYAL FAMILY**

SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL  
 ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL  
 THE ALLIES' HOSPITAL (Hopital de l'Alliance), YVETOT, FRANCE  
 THE BRITISH RED CROSS SOCIETY'S HOSPITALS, etc.

*Unsurpassable reputation for  
 genuineness. Never claims to  
 do more than it can accomplish.*

*Over a quarter of a century  
 of uninterrupted success as  
 a specialised preparation.*

# KUTNOW'S POWDER

*For Liver, Kidneys & Bowels.*

## THE FAMOUS BRITISH REMEDY MADE IN ENGLAND ONLY

THE POWDER—BOTTLES—CAPSULES—LABELS ALL MADE IN ENGLAND

It is on the P.A.T.A.  
 It is well advertised  
 It is very popular  
 It is a good article  
 It is never dead stock  
 It yields a good profit  
 It satisfies everybody



The Doctors prescribe it  
 The Nurses recommend it  
 The Public appreciate it  
 The Customer comes again  
 The demand is constant  
 The sales are increasing  
 The trade is progressive

ORDER AT ONCE FROM  
 YOUR WHOLESALE HOUSE

WINDOW SHOWS ATTRACT  
 REMUNERATIVE BUSINESS

### IMPORTANT NOTICE.

## Hospital War Service

— FREE OF CHARGE —

### DOCTORS, NURSES & HOSPITALS

are invited to apply at once for special Physicians' Sample Bottles of Kutnow's Powder, for the use of the sick and wounded both at the front and at home. All applications will be dealt with promptly and supplies forwarded immediately, carriage paid. Applications to be made by letter, and should be marked

"HOSPITAL WAR SERVICE,"

and addressed to

**Messrs. S. KUTNOW & Co., Ltd.**

41 Farringdon Road, London, E.C.

### PERSONAL NOTICE.

## Showcards and Bills

— SEND THIS COUPON —

To S. KUTNOW & CO., Ltd.,

41 Farringdon Road, London, E.C.

Please send me Showcards and Counter Bills, carriage paid.

NAME.....

ADDRESS .....

"Chemist & Druggist," Dec. 2, 1916.

Fill in, cut out, and post in open envelope, affix 1d. stamp.

**S. KUTNOW & CO., LTD., Sole Proprietors,**

41 Farringdon Road, London, E.C.

# *Aquaperia*

(Harrogate)

## The Chemists' Aperient Mineral Water,

supplants Hunyadi Janos,  
Apenta and enemy waters of  
similar character.

Bottled and Standardised by CAMWAL Ltd.  
at their spring,

### HARROGATE.

#### ALTERATION IN PRICES.

8/- per Doz.    7/6 per Doz. in 6 Doz. lots.

*Carriage Paid on 2 dozen and upwards.*

Minimum Retail Prices to the Public, 1 - per Bottle (P.A.T.A.)

*1/6 per doz. allowed for empty bottles returned Carriage Paid to our Factor's.*

**SPECIAL ALLOWANCE  
FOR WINDOW DISPLAYS.**



**P.A.T.A.**

Of all Wholesale Houses, and

**CAMWAL Ltd.** Harrogate, Manchester,  
Birmingham, Bristol,  
Mitcham, London,  
and Depots.



# SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

**JOB BROS., Manufacturers, Tower Building, LIVERPOOL.**

Telegraphic Address: "JOB LIVERPOOL"

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

## Our Special Winter Handbills

*Will interest you!*

SEND FOR SAMPLES.

Thomas Waide & Sons,  
Chemists' Printers

Kirkstall Road - - - LEEDS.



Make your  
old Hat a  
new one.

In bottles, 7d.  
e. ch, in sepa-  
rate neat car-  
tons, with suit-  
able brush.

These Dyes  
are a distinct  
invention,  
dyeing the  
straw without  
an objection-  
able varnished  
appearance,  
and producing  
the effect of  
new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS,  
ALSO LEAFLET OF TESTIMONIALS.

# "Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS,  
KENDAL, LANC.

London Depot: 60-62 Clerkenwell Road, E.C.

"Glossy" Series supplied if desired.

Special Non-Inflammable Series for Export. Est. 1878.

Telegraphic address: "Dullella Kendal." Telephone: No. 24.

# PRICE'S

New

Medicated Toilet Soap.



## "CUTOLAV"

A reliable Antiseptic.

Fragrant and refreshing.

Recommended for Toilet or Nursery use.

Retail Price,

Per  $7\frac{1}{2}$  Tablet,

which shows an attractive profit.

QUOTATION ON APPLICATION TO

PRICE'S

BELMONT WORKS, BATTERSEA,  
LONDON, S.W.

*NOTE.*—Quotations given for Medicated Toilet Soaps under Chemist's own die and printing. Neat and appropriate wrappers, and labels available.



# A bright Christmas Window for 3/6

For this nominal sum we will send you a splendid parcel of "Xmas Present" Tickets, Showcards and Posters amply sufficient with which to decorate any good size window—all beautifully produced in artistic and tasteful colours that will give your display the true Christmassy touch, suggest your goods as "presents" to every passer-by, and enable you to rope in a big share of extra trade.

Send 3/6 To-day.

Your money returned in full if not more than satisfied.

Full Illustrated List No. 288 on application.

**DUDLEY & COMPANY,**  
451, 550 & 558 Holloway Road,  
London, N.

## SUGAR OF MILK

"Sowalt" Brand.

GUARANTEED B.P.

For Quotations apply to—

**NALBOROUGH & SONS, Ltd.,**  
HARWICH, ESSEX.



MAGIC MADE EASY  
by the use of

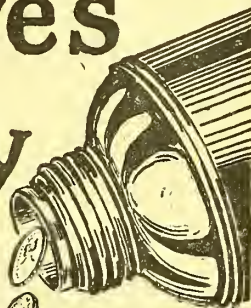
**SEMRE H**

SELF - FIXING  
BOTTLE CAPS.

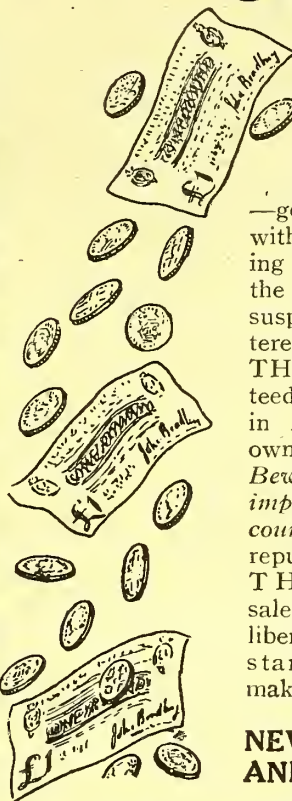
Placed wet over cork, stopper or sprinkler, in a few hours they will be found dry, self-fitted and self-fixed. And no deception, gentlemen! Let us explain.

**The VISCOSE  
DEVELOPMENT CO., LD.,**  
Bromley, KENT.

# There's Money in it



## for you



—good, clean money, without excessive selling costs, and without the slightest taint or suspicion of enemy interests. Every genuine THERMOS is guaranteed to be made either in America or at our own works in London. Beware of imitations imported from "neutral" countries. The good reputation of the genuine THERMOS makes sales easy, and the liberal profits of our standardised prices makes them pay well.

**NEW CATALOGUE  
AND PRICE LIST**



just issued.  
Supplied to  
dealers in  
quantities for  
own use. Ask  
us for a copy.

Write now.

# THERMOS

8 Long Lane, Aldersgate  
Street, LONDON, E.C.

'Phone : - - - CENTRAL 5947.  
Wire : "ULTRAI SM LONDON."



# Shortage of Sugar

---

FOR MOST OF YOUR B.P. SYRUPS  
MAKE USE OF

**NULOMOLINE**  
THE HONEY OF SUGAR  
**NULOMOLINE**

A new form of Cane Sugar.

10% sweeter than Sugar.

Pure White, the consistency of Glycerine.

Hygroscopic and Unfermentable.

Positively no chemicals used in its manufacture.

Very suitable for Pharmaceutical Preparations.

**Regular Supplies. Ample Stock in London.**

Supplied in original barrels of 5 cwt.

---

MANUFACTURERS :—

THE NULOMOLINE COMPANY OF NEW YORK.

SOLE AGENTS for United Kingdom and Colonies :—

FREDK. BOEHM, LIMITED,

16 Jewry Street, London, E.C.



# Good News for every Chemist



• THE 1917 EDITION OF THE •  
 • WELLCOME PHOTO EXPOSURE •  
 • RECORD AND DIARY IS NOW READY •  
 • ORDER TO-DAY AND PARTICIPATE •  
 • IN THE FIRST BIG SALES •

PRICE TO THE TRADE

12/0 per dozen less 30%. Thirteen copies to the dozen.



BURROUGHS WELLCOME & CO.  
LONDON

NEW YORK MONTREAL SYDNEY CAPE TOWN  
MILAN SHANGHAI BUENOS AIRES BOMBAY



Esvach Water is not a "mushroom" product—it has a fifteen-year-old reputation, and is now firmly established in public favour.

EXTRACT FROM A LETTER  
TO A PHARMACIST ::  
FROM HIS CUSTOMER ::

"I am much obliged to you for drawing my attention to the Esvach Water, which I find in every way quite as suitable and efficacious as \*\*\*\*\* (a leading Hungarian water). I am sending back the second bottle of the latter which you supplied; please send me two of Esvach instead. I shall recommend the Esvach Water."



## STOCK ESVACH WATER

RETAIL, P.A.T.A.

1/-

PER DOZEN

7/-

Empty bottles credited at 2/- per dozen.

An attractive coloured Show-stand (as illustrated) and other advertising material supplied free on request, also miniature sample bottles for medical men and others.

THE BRITISH DRUG HOUSES, Ltd.,  
Graham St., City Rd., London, N.





A Weekly Journal of Pharmacy and of the Chemical and Drug Trades  
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

#### Subscription Rates.

Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6d.; Summer or Winter Number, 1s.; *Diary* 3s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6d., franco.

Цена годового абонемента: Газета еженедельно и Дневник раз в год 12 шиллингов 6 пенсов с пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.

Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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## New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

**CARDBOX, LTD. (P.C.).**—Capital 200l. Objects: To carry on the business of cardboard-box makers, and to enter into an agreement with F. C. Gooch, who is managing director and chairman.

**NUT AND OIL DEVELOPMENTS, LTD. (P.C.).**—Capital 10,000l. The first directors are H. E. Hockley and C. O. Gassett. Remuneration, 250l. each per annum. Solicitors: R. E. Warner & Co., 1 Great Winchester Street, E.C.

**WASTE PRODUCTS, LTD. (P.C.).**—Capital 1,000l. Objects: To carry on the business of dealers in and utilisers of waste products, analytical and consulting chemists, etc. P. L. Whitehouse, chemist, Olympic Works, West Bromwich, is the first director and chairman.

**LEESON SPONGE AND RUBBER CO., LTD. (P.C.).**—Capital 20,000l. Objects: To carry on in Great Britain or elsewhere the business of manufacturers of rubber sponges and manufactures relating to or connected with the rubber industry. The first directors are G. W. Leeson, W. Luffsmith, and J. W. Bell. R.O., 6a Bedford Square, W.C.

**ILFORD, LTD.**—The directors recommend a dividend of 6 per cent. on the ordinary share capital for the year to October 31.

## European War News.

### Import and Export Notices.

**DENMARK.**—The exportation of phosphoric acid has been prohibited.

**FRANCE.**—The exportation of carbon tetrachloride has been prohibited except by special permission.

**NEW ZEALAND.**—Rennet is a new item which has been added to the list of prohibited exports. The importation of soap, except from the United Kingdom or British Possessions, has been prohibited, save with the consent of the Minister of Customs.

**SWEDEN.**—The exportation of photographic dry-plates (without negatives), beeswax, and matches is forbidden.

**UNITED KINGDOM.**—By Proclamation of November 23 the following articles, *inter alia*, will be treated as absolute contraband: Quillaia-bark; zirconium, cerium, thorium, and all alloys and compounds thereof; zirconia and monazite sand. Amendments are made to the Proclamation of October 14, 1915, Schedule 1, in respect to emery, corundum, natural and artificial (alundum), and carborundum. The Proclamation of April 12, 1916, is also amended, and to the conditional contraband list are added, *inter alia*, sponges, raw and prepared; glue, gelatin, and substances used in the manufacture thereof.

### Personalia.

**COLONEL WYLEY, V.D.**, has been again elected Vice-Chairman of the Warwickshire Territorial Force Association.

**LANCE-CORPORAL S. R. POPE**, of the Queen's Westminster Rifles, is now in hospital in Liverpool suffering from shock, after over a year in the trenches. He was with Boots, Ltd., Folkestone, before the war.

We had a call this week from Sergeant-Dispenser N. A. Parry, of the Army Medical Corps of the Australian Imperial Force, who is stationed at the No. 2 Australian Auxiliary Hospital at Southall, Middlesex. Sergeant Parry is the son of Mr. E. Parry, Fremantle, Past-President of the Pharmaceutical Council of Western Australia, and was apprenticed to his father. At the time war broke out he was attending lectures for his Final examination in pharmacy, but not being able to resist the call, he transferred from the Australian Citizen Force to the Australian Imperial Force. He has seen twelve months' service in Egypt as a dispenser in the Army Medical Corps, and was then transferred to this country. Sergeant Parry is a typical Australian in alertness and in keenness for the honour of the Empire which the Overseas Possessions desire to uphold by every means in their power.

### Miscellaneous.

**PEBECOL TRADE-MARK.**—The application to avoid or suspend the "Pebecol" trade-mark belonging to P. Beiersdorf & Co. (513,005), which was made by Lysol, Ltd., Stratford, E., has been abandoned.

**ENEMY FIRM TO BE WOUND UP.**—Sanitas Electrical Co., Ltd., 61 New Cavendish Street, London, W., dealers in medical electrical apparatus. Controller, James Fraser, 31 Copthall Avenue, London, E.C.

**BLACK-LISTED FIRMS.**—Seventy-nine additional names have been added to the list of enemy firms issued by the Foreign Office. The countries dealt with and the number of firms in each are as follows: Bolivia (1), Brazil (6), Colombia (2), Denmark (16), Greece (3), Japan (1), Morocco (3), Netherlands (8), Netherlands East Indies (6), Norway (16), Persia (3), Spain (9), Sweden (3), and Venezuela (2). The following names appear in the Denmark list: Apothekernes Laboratorium Droge and Kemikalieforetning A/S, Kronprinseng. 1, Copenhagen; Droge & Kemikalieforetning A/S, Apothekernes Laboratorium, Kronprinseng. 1, Copenhagen; Kongelige Militær & Vajsenhus Apotek, Kjobmagergade, Copenhagen; Militær Apotek, Kjobmagergade, Copenhagen; Vajsenhus Apoteket, Kjobmagergade, Copenhagen.

### Military Tribunals' Decisions.

**CANTERBURY.**—Walker & Harris, Ltd., were refused exemption for Frederick Dyer, chemist and dentist, who had been previously refused on a personal application made at Sandwich.

**CARLISLE.**—Exemption was refused to Mr. T. W. J. Beatty, chemist and druggist, employed by Mr. R. R. Hallaway, Ph.C.

**COVENTRY.**—Exemption until December 31 was allowed to C. J. Blay, assistant with W. Clarke & Son, chemists.

**FRASERBURGH.**—Exemption until January 31 was given to F. Hepburn, assistant to Mr. W. Cruickshank, dispensing chemist.

B



**GODALMING.**—The military authorities appealed against the exemption granted to C. B. Russell, assistant to Mr. J. H. Mather, Ph.C. (see *C. & D.*, November 4, p. 34), and the appeal was allowed.

**HARPENDEN.**—Exemption until February 14 was granted to Alexander Smith, assistant with Mr. Jas. Busby, dispensing chemist.

**HERNE BAY.**—Mr. T. B. Cornfoot, chemist and optician, applied to the Tribunal regarding his assistant, Mr. R. C. Walker, who had been granted temporary exemption (see *C. & D.*, October 21, p. 34). It was suggested that the War Office had offered a substitute, and the case was adjourned for a fortnight.

**LITTLEBOROUGH.**—Conditional exemption was granted to E. L. Shepherd, assistant to S. Hall & Son, dispensing chemists.

**LONDON CITY.**—Four months' exemption was granted to Mr. E. B. Ratcliffe, chemical-merchandise, who deals principally with coal-tar products.—The application for the exemption of G. H. Gibbons, export manager for Horner & Sons, wholesale druggists, was adjourned for consideration when the appeal of Mr. Horner comes up.

**READING.**—Exemption was refused to G. Whitehead, assistant with Boots, Ltd.

**ROTHERHAM.**—A chemist was given until December 31 to sell his business and join the Forces. He had previously only been allowed a fortnight in which to settle up his affairs.

**SEAFOORD.**—Conditional exemption was granted to Mr. F. E. Packer, dispensing chemist, who was forty-one last February.

**SOUTHWARK.**—Two months' exemption was granted to a paste-maker employed by Smith & Co., manufacturing chemists, High Street, Borough.—The works chemist employed by Stevenson & Howell, Ltd., 95A Southwark Street, S.E., was exempted as being in a certified occupation.

**STAMFORD.**—Conditional exemption was granted to J. H. Shelton, assistant to Mrs. F. Dickinson.

**UPTON-ON-SEVERN.**—Exemption until January 15 was granted to F. V. Gibbs, assistant with his father, Mr. John Gibbs, dispensing chemist.

**YEovil.**—Conditional exemption was granted to W. J. Perkins, assistant with Mr. C. Cowle, dispensing chemist.

## German News.

**PROFESSOR ALBERT NEISSER**, of Breslau, who was associated with research-work in connection with biological tests for venereal diseases, died recently. He first identified the gonococcus in 1879.

**MERCURY OINTMENT** is so difficult to get in Germany (owing to lack of fat), and it is so much wanted, that Unna recommends in its place lycopodium-gleitpuder, which consists of 4 grams of mercury, 40 grams of lycopodium, and 15 drops of turpentine oil. When 2 grams of cinnabar is added the powder assumes a skin-colour. The turpentine oil does not irritate the skin. In many cases this powder can be used in the place of grey ointment; it can also be used for the preparation of the ointment. Much more concentrated mercury-powder (up to 50 per cent.) can be made by using a little more turpentine.

**WOMEN STUDENTS** are getting more abundant in Germany. There were 5,460 of them in the Universities during the fourth war-semester, or 1,300 more than in peace-time. This is 10.5 per cent. women compared with 6.7, the proportion in peace-time. Of the women students 1,394 are studying medicine and twenty-two pharmacy. The Berlin University is engaged upon war-work to some extent. Difficulties that have arisen through the war are being attacked at the Hernst Physical-Chemical Institute, and Professor Thoms, of the Dahlem Pharmaceutical Institute, is examining foodstuffs for the Steglitz municipality, while the medical institutions are engaged on war-work.

**PRUSSIAN PHARMACIES IN 1915.**—The "Apoth. Zeit." deals with the influence of the war upon pharmacy from a statistical point of view. Up to the present only a few Prussian pharmacies have been closed, except in East Prussia and Heligoland, where the number closed during 1915 was eighteen. The total number of Prussian pharmacies in 1914 was 4,087, against 4,057 in 1913, and in 1914 they employed 6,216 people, compared with 8,898 in the pre-war year of 1913. In that year there were 3,370 proprietors of pharmacies, against 3,340 in 1915; 2,346 qualified assistants, against 1,206 in 1915; 2,346 unqualified assistants, against 1,206; and 1,352 apprentices, against 443 in 1915.

## The Adalin Trade-mark.

**BEFORE** the Comptroller-General (Mr. W. Temple Franks) and Sir Cornelius Dalton at the Patent Office Court on Wednesday, November 29, Mr. T. McKenna, on behalf of Boots, Ltd., made an application for the avoidance of trade-mark 525,352 ("Adalin"), the registered proprietors of which are the Bayer Co., Ltd. At the commencement of the proceedings Mr. Pearson, the Controller of the Bayer Co., Ltd., which as an enemy company is being wound up by order of the Board of Trade, said he claimed the trade-mark as among the assets of the company, a scheme for the disposal of which was at present occupying his attention. He said that so far there appear to be liabilities of 400,000*l.*, and assets of 200,000*l.* His duty is to do the best he can for the creditors.

The Comptroller: The question we have to try is whether the trade-mark is a bad one or not, and not whether you should include it in your assets.

Mr. Pearson: I don't mind disposing of it at a fair price.

The Comptroller: Unless it is a mark that should not be sold. Certain marks should not be considered as proper marks, although I do not yet know what Mr. McKenna's case is.

Mr. McKenna: I think I shall be able to convince you that it is a bad mark. The Farbenfabriken vormals Friedrich Bayer & Co., Elberfeld, took out a patent in 1910 for an article with the chemical name of bromo-diethylacetylurea, but which is known to the public as adalin. A trade-mark "Adalin" was registered at the same time, and the article sold under that name. The patent, I am told, said Mr. McKenna, has lapsed, the last fee not having been paid. We found this out on applying for a revocation of the patent, when the fee was returned. Continuing, Mr. McKenna said that adalin is the name of a patented article, which fact is in itself sufficient ground for avoiding the trade-mark. The patented article must be called by that name, as it is the only one which has been adopted by the makers to distinguish it.

Sir Cornelius Dalton: Is it too late for the patent to be revived?

Mr. McKenna: The fees were due in February 1916, and were not paid apparently. I take it that no favour will be extended to a German company.

The Comptroller: It is possible that at the end of the war reciprocal action may be conceded in regard to patents, the fees for which were not able to be paid owing to war conditions.

Mr. McKenna: From what I know of the Bayer Co. I should not think it is a question of oversight.

Mr. Pearson: All the Bayer patents are in the name of the German company, who are the only shareholders in the English company. I have the authority of the Board of Trade to pay all patent fees. I was only appointed in June, and the fees in this case seem to have been due before that date.

At this stage Mr. Martin, the Comptroller's private secretary, who had sent for the Patent Register, called attention to the fact that the patent has not expired, the fees having been paid in due course. From the Register it was found that the patent was assigned in 1911 to the Mersey Chemical Co., Ltd., and that a licence to manufacture had been issued to Mr. F. W. Passmore. Mr. McKenna produced the letter he had received in regard to the expiry of the patent, from which it appeared that some mistake had been made in the number of the patent, which should be 2388/10.

Mr. McKenna: It does not seem worth while going on with the application, because if we obtain a licence to use the patent we should have the right to use the trade-mark. My clients will apply for a licence to use the patent, and in view of the urgency of the case I hope steps will be taken to expedite the matter.

It was pointed out that, owing to the statutory requirements as to notice and other causes, the case would not probably come on before the New Year.

Mr. Pearson: I would like to point out that we look upon the adalin trade-mark as one of the most valuable pharmaceutical marks owned by the Bayer Co.

The Comptroller: It is a question whether you can own a trade-mark in a patented article which our records show belongs to another company.

Mr. Pearson: It would appear that the trade-mark had not been transferred at the same time as the patent.

The Comptroller said that is not our fault, and he proceeded to mention that in the course of many of these patent cases it had been disclosed that Germans had so arranged affairs that the articles were manufactured abroad.

The case was then adjourned to enable application to be made for a licence to use the patent.



## English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Funeral of the late Charles Umney.

The funeral of the late Charles Umney, whose death occurred at Fernbrake, Bournemouth, on November 23, took place at Wimborne Road Cemetery, Bournemouth, on Monday afternoon, November 27. The first part of the funeral service was at St. Stephen's Church, of which Mr. Umney was a sidesman. Among those present were his sons, Dr. W. F. Umney, Messrs. Ernest A. Umney, Herbert Umney, Percy Umney, and Reginald Umney, L.D.S. (Mr. John C. Umney's attendance was prevented by a severe chill); Mr. Knott, and the Rev. Mr. Fox, sons-in-law, were also present, Mr. Fox conducting the committal service at the cemetery. Mr. Herbert C. Wright, Mr. E. B. Layman, and Mr. F. N. Layman attended as old colleagues of Mr. Umney in the Wright, Layman & Umney directorate. Also present were Mr. Edmund White (President of the Pharmaceutical Society of Great Britain), Mr. T. H. W. Idris and Mr. Francis Ransom, Past Presidents of the British Pharmaceutical Conference; Mr. T. Edward Lescher, Secretary of the Drug Club; and local pharmacy was represented by Mr. F. E. Bilson (Chairman Bournemouth Pharmaceutical Committee), Messrs. A. E. Lodder (President), D. Buchan (Hon. Treasurer), and J. H. Scampton (Hon. Secretary), of the Bournemouth Pharmaceutical Association. Mrs. Francis Ransom, Mr. Waddington, Mr. R. Feather Clarke (Gravesend), and other mourners also attended the services, which were of an impressive character.

### Birmingham.

Goods ordered before closing-time of a shop may be delivered after closing-time. So it was decided in a case at Willenhall which was withdrawn last week.

There is great difficulty in getting sugar for pharmaceutical preparations, and there is much heart-burning that some get it and others cannot.

The Birmingham Insurance Committee have just issued a summary of their cash receipts and payments for the year which ended on December 31, 1915 (see p. 46).

The 5-gr. pill-machine has fallen on evil times. It may be seen in this city in the pawnshop window among second-hand office furniture, and in the marine stores. The articles appear to be in good condition, and have been but little used.

A deputation of the traders of this city called on the Lord Mayor last week to induce him to get the hours for opening extended during December, but he replied that he had, after consultation with his Committee, suggested to the Home Office one hour extension only, but round about Christmas two hours. The traders were not quite satisfied, and thought they ought to have been consulted first.

### Harrogate.

Window-displays of Iron Jelloids seem to be the rage at the moment; there are nine or ten in the town.

Lady assistants are installed in nearly every pharmacy now, and the lady commercial is met with almost daily. In both spheres the ladies appear to be doing well.

Mr. J. H. Lupton, chemist and druggist, late assistant to Mr. A. Mortimer, dispensing chemist, and son of Mr. J. A. Lupton, chemist, York, and Mr. J. H. Emsley, chemist and druggist, late assistant to Mr. George Fenn, dispensing chemist, have joined the R.A.M.C. as dispensers.

### Liverpool.

Local herbalists are displaying a prominent notice that on the Wednesday afternoon half-holiday their shops are open, *inter alia*, for the "sale of articles required in cases of illness."

Consequent on the darkening of the streets, many minor injuries are being sustained. Pharmacies resemble hospital dressing-rooms while bruised heads, abrasions of elbows and knees, and sprained ankles are being treated.

The question of transferring the fortnightly meetings of the Liverpool Chemists' Association to the Wednesday afternoons instead of the evenings will be brought forward along with the other considerations of the next sessional arrangements.

At each meeting this year, the Liverpool Chemists' Association has received an accession to the member-roll. The President (Mr. William P. Evans) is gratified that the members have not allowed a meeting to pass without a nomination, and he appeals for a continuance of this strengthening.

Much anxiety is being expressed by pharmacists concerning the scarcity of sugar for use in medicinal syrups. A leading central-area chemist this week pointed to the extensive displays of costly confections, and remarked, "The Government should be questioned as to why confectioners can have, both for home sales and for export, 75 per cent. of sugar as compared with peace years, while chemists and druggists can only have 25 per cent."

"Wellcome's Pharmacists' Diary" was put to a novel use on Sunday. A local chemist attended a church at which no one thought fit to supply him with a prayer and hymn book, although he had announced his deficiency to the officer who pointed out to him a seat. Not wishing to appear inattentive, as the service proceeded the visiting worshipper opened his "Wellcome" at various pages, the morocco binding and gilt edges causing it to pass muster, though the bookmark nearly gave the illusion away.

### Manchester

By the death of Sir Samuel Walter Royle, ex-Lord Mayor of Manchester, chemists have lost a staunch friend and supporter. Sir Samuel had been in indifferent health for two or three years.

The war is enabling people to pay their debts more promptly. This interesting fact emerged as the result of the annual meeting of the Manchester Guardian Society (of which Mr. Geo. S. Woolley is a prominent member). The annual report stated that "the increased wages paid to engineering and munition workers has resulted in general prosperity to all retail traders, and the experience of most wholesale houses is that shopkeepers' accounts were never more promptly paid than during the present year."

### Sheffield.

The creditors of C. A. George & Son, chemists, are required to send in claims under the deed of assignment before December 7.

The Guardians are selling the surplus dripping which is produced in the workhouse and infirmary kitchens for the purpose of yielding glycerin for explosives.

The City Council is issuing two orders under the Shops Act, 1912, one making Thursday the general half-holiday, and the other fixing the hour for closing shops at 8 P.M. on each day except Saturdays, when it is to be 10 P.M.

Panel chemists may definitely expect to receive their balance of accounts for 1915, which is 20 per cent. for the whole year, with a small deduction in the case of some chemists who have been overpaid for the year 1914, as soon as possible after the Insurance Committee meeting has been held on December 8.

The military authorities are making further calls on the younger members of the trade, and a system of exchanging them for older married assistants is being carried out. The question of retaining in hospitals dispensers who are of military age was raised at the Tribunal recently, it being suggested that lady dispensers or disabled soldiers could be employed.

### Contracts.

Braintree Board of Guardians.—Mr. C. B. Saunders, chemist and druggist, for drugs at 18/ 13s. 9d.

Westminster City Council.—D. & W. Gibbs, Ltd., for toilet-soap.

### Miscellaneous

THE EARLY CLOSING ASSOCIATION'S NEW OFFICES, 34 and 40 Ludgate Hill, London, were formally opened by the Lord Mayor on Monday, November 27.

PUBLIC PHARMACISTS' AND DISPENSERS' ASSOCIATION.—No lectures are to be held this session, but the annual meeting will take place as usual in January.

LETTERS FOR THE TROOPS.—The G.P.O. publishes a warning to the effect that when cigarettes, chewing-gum, etc., are put in letters for the troops a specially strong envelope should be used.

THE WINE-LICENCE OF Mr. V. W. Meacham, dispensing chemist, Ledbury, has been transferred to Mr. W. H. Osborne; that of the late F. Dickinson, chemist and druggist, Stamford, has been transferred to his widow.

THE PHARMACIST SANITARY SECTION of the Leicestershire Volunteers propose to construct an exhibition of sanitary aids and appliances on the Leicester training-ground during the next week or two. Mr. G. E. Marfitt is the acting commander.

QUEEN MARY has become a patron of the Norfolk Herb Growers' Association. Her Private Secretary states: "The King and Queen are greatly interested in encouraging the cultivation and growth of herbs, and are carrying this out to the best of their powers at Windsor."

POOR-LAW DISPENSERS.—The Reading Guardians have granted a war bonus of 10/ to Mr. Cardwell, the dispenser.



Miss M. I. Whitham's appointment as dispenser to the Ashton-under-Lyne Union has been sanctioned by the Local Government Board.

**POISONING.**—The only case reported to us this week is that of a soldier's wife, named Anderson, of Norwich, who died from kidney-disease "accelerated by an overdose of chloroform." From the evidence it appears that the doctor who attended deceased made up a chlorodyne mixture, which Mr. Lincoln Sutton, the city analyst, found to contain chloroform in such a quantity that it had separated in globules in the mixture. The quantity was excessive, but not necessarily fatal, said Mr. Sutton.

**HELPING A HOSPITAL.**—Over 204½ has been handed to the High Constable of Aberdare by Mr. Emrys Evans, pharmacist, Victoria Square, Chairman of the Flower Show Committee, towards the local hospital. The Flower Show was reorganised under the directions of Mr. Evans, with the result that this year it has been a huge success, and the High Constable has suggested to the Hospital Committee that the management be taken over by them with a view of making it an annual source of revenue to the hospital.

## Irish News.

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### Brevities.

Captain R. A. Austin, who is a son of Mr. R. Austin, Ph.C., Bray, formerly of Londonderry, has been awarded the Military Cross for conspicuous gallantry and devotion to duty.

The University of Ottawa has conferred the degree of Doctor of Laws on Captain and Alderman J. C. McWalter, M.D., Ph.C., Dublin, who is at present serving with the R.A.M.C.

At Ennis, co. Clare, W. J. Burke, described as a dentist, was committed for trial at the Cork Assizes on the charge of administering cantharides to a young woman (see *C. & D.*, November 18, p. 37).

A discussion on the "Training of a Chemist" took place on November 21 at the meeting of the Chemical Association, in the Royal College of Science, Dublin. It turned upon the question of the training necessary to enable a man to be an efficient works chemist. It was agreed that it is too much to expect one man to be both an engineer and a chemist.

At the Raphoe Petty Sessions a case under the Sale of Food and Drugs Act against James C. King, Raphoe, for having sold cream of tartar which was certified to contain 70 parts of lead to the million, while the limit should be 20 parts to the million, was dismissed after a certificate from a London analyst was produced showing that the sample selected from the same box complied with the standard.

## Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Brevities.

In the Training Reserve, Mr. W. C. Inman, Edinburgh, from the Royal Scots, has been appointed lieutenant.

It is reported that the Customs authorities are becoming vigilant in watching the sale of excisable medicated wines by unlicensed dealers.

Dr. J. W. Senter was one of a deputation to the local authorities concerning the treatment of discharged soldiers suffering from tuberculosis.

The Boots' shop at 46 Leith Street, Edinburgh, has been taken by a firm of jewellers. Messrs. Gibson's former premises in Leith Street are to be closed.

A Scottish commercial traveller says that he likes to visit Glasgow, Dundee, and Dumfries because orders are large and frequent, and have been in this condition for some time.

Owing to restrictions in shipments those chemists who are in the habit of supplying bulbs and seeds are faced with shortage in supplies. Last year bulbs were phenomenally cheap; this year, except for existing stocks, they are at a premium.

### Glasgow and the West.

Mr. William Lyle, dispensing chemist, Rothesay, has been appointed Chairman of the Rothesay School Board,

in succession to the Rev. J. M. Dickie. Mr. Lyle has been a member of the Board for five years, and has also had six years' experience of the Town Council, and for three years was a Bailie.

At a meeting of various shopkeepers and Associations held in Glasgow last week, it was resolved to petition the Local Authority to take a plebiscite with a view to introducing a closing-order similar to the original early-closing order introduced by the Home Secretary—viz., 7 P.M. closing, and nine o'clock on Saturdays.

Mr. T. Mackinnon, dispensing chemist, Govan, was one of the occupants of a motor-hearse, returning from a funeral, which collided with a motor-car in the Strathblane Road, near Milngavie, on November 28. Mr. Mackinnon fortunately escaped with only a few scratches, but, like the other occupants, is suffering from the shock.

A serious stoppage of work is threatened in the dyeing and bleaching industry in the West of Scotland owing to employers refusing to grant increased war bonuses; 4,000 notices of workers deciding to cease work have been handed in. In view of the importance of the industry the workers are demanding that the Government should take control of the Scottish dyeing-industry for the period of the war.

## French News.

(From the "C. & D." Paris Correspondent.)

**NEW FRENCH TAXES.**—The French Budget Commission has just issued a statement of new taxes proposed. A suggestion is made for a new tax on patent medicines, which is expected to yield about 300,000*l.*, while mineral waters may also be taxed, and a return of 120,000*l.* is hoped for in that connection.

**HERBS AND HERB-TEAS.**—Professor Pic, Lyons, has examined from a modern scientific point of view the old-fashioned "tisanes," or herb-teas, still so generally used in France. He has come to the conclusion that they are beneficial, not merely because a hot drink (taken in the proper spirit of faith, hope, and charity) seldom fails to make a patient think himself better, but because of the active substances they contain—alkaline salts, essential oils, etc. For instance, the now somewhat neglected "sirop de cinq racines," made from the roots of butchers' broom, asparagus, sweet fennel, parsley, and skirret, acts by virtue of the essential oils which the water liberates. The red-flowered chick-pea and the marshbean (*fève des marais*) are leguminous plants rich in salts of potash and containing traces of oxalic acid. An ounce of the root of the rest-harrow, boiled in a quart of water, is a useful diuretic, containing as it does an appreciable percentage of alkaline nitrates. Four grams of the seeds of the star thistle, macerated in a glass of white wine, acts by reason of the acetate and sulphate of potash thus extracted. Cherry-stalks and dandelions are too commonly used for infusions to need notice; strawberry-root, pareira brava, and madder are also favourably mentioned. Veronica, "herniaire," or rupture-wort, aquilegia or columbine, the berries of the winter cherry (alkekengi), and other plants have properties appreciated by the nephritic and cardio-renal patient. In France the "beard" of the maize and uva ursi are popular for producing diuresis, the tannin and the glucoside arbutine being the essential characteristics. The root of the couch grass—readers of "Tribby" will remember Little Billee being dosed with this, as most Parisians have been—contains potash salts, starch, and a special sugar. The fact that sparteine and scoparine are extracted from the broom (the "plante à genêt," which gave its name to the Plantagenets) sufficiently explains its value; pellitory-leaves (which contain potash), leek, and radish *bouillons* have the same diuretic virtues.—Dr. Liégeois, corresponding member of the Academy of Medicine, has studied indigenous plants from the expectorant point of view. He recommends the already well-known mullein-flowers, and also the coltsfoot, to be used a few days after the commencement of an ordinary cold. When the phlegm is looser the "capillaire," or maidenhair, may be used. Besides tannic and gallic acids, maidenhair contains a bitter extract which forms an excellent "apéritif." Hyssop, sage, thyme, ground ivy, etc., are frequently employed in bronchitis; they contain resinous matter, sulphur and camphor. For asthma anised and angelica are excellent; elecampane is thought highly of for phthisis. The milk-wort (polygala) and soapwort "ripen" colds, and an infusion of the leaves of Labrador tea (*ledum*) calms the fits of whooping-cough. The list might be indefinitely extended.



## Colonial and Foreign News.

THE SOCIETY OF CHEMICAL INDUSTRY'S Canadian branch has got as far west as Vancouver, B.C.

**SCARCITY OF MEDICINES.**—Apothekers' headquarters in Austria have warned pharmacists of the continued scarcity of medicines. Apothekers must not sell glycerin, wheaten flour, oil of theobroma, rice-flour, fixed oils that can be used for food or prescriptions, castor oil, benzine, gum arabic, spermaceti, senna leaves and pods, and cod-liver oil. They are also forbidden to use lanoline for cosmetic preparations, and it is stated that the stocks of it, glycerin, rice and wheaten flours, olive oil, and senna-pods are exhausted.

**ITALIAN GLYCERIN.**—A decree has been published in the "Gazzetta Ufficiale" prohibiting the entering into contracts for glycerin and neutral fats containing more than 4 per cent. of glycerin, which are not concluded directly by the Ministry for War or which have not previously been authorised by the latter. All persons possessing stocks of glycerin are to notify the facts to the responsible authorities within ten days from the date of the publication of the decree. The prices will be fixed by the Under-Secretary of State for Arms and Munitions.

**MR. G. F. OLDFIELD**, late manager of the Sanatogen Co. in South Africa, was entertained to luncheon at the York Room, Theatre Restaurant, Cape Town, on November 2, on the occasion of his leaving South Africa on a trip to England. Mr. D. L. Petrie (President of the P.A.T.A.) presided. Several toasts were honoured, all expressing the esteem and high regard in which Mr. Oldfield is held in Cape Town and South Africa generally. Mr. Oldfield assured his friends that he hoped to be soon back again in Cape Town, as he had had a cable appointing him general manager for South Africa for Lord Rhondda's new company. Great satisfaction was expressed by all present on hearing this, and the National Anthem brought the proceedings to a close.

**FOOD AND DRUG ADULTERATION.**—The Secretary, Department of Education Government of India, has sent a circular letter regarding drug adulteration to all local Governments except the United Provinces, in which it is stated that so far as drugs are concerned there has been apparently no public demand for special legislation, and such legislation, if undertaken, would involve an amount of additional harassment which scarcely seems to be called for at present. Apart from this the analysis of drugs is more difficult and their adulteration less common than that of food. For these reasons the Indian Government intend to leave at least for the present the adulteration of drugs to be dealt with under the provisions of the Indian Penal Code, which, they are inclined to think, give sufficient powers for the purpose. In the event, however, of any local Government desiring to include drugs in the legislation to prevent the adulteration of food-stuffs, the Government of India will be prepared to reconsider the matter on good reasons being shown. They intend, however, to introduce legislation to deal with the adulteration of articles of food.

**PHARMACEUTICAL EDUCATION IN HOLLAND.**—The question of the concentration of pharmaceutical education at fewer centres has become a subject of much discussion in the Dutch pharmaceutical Press. At present pharmaceutical students receive their education in the universities of Utrecht, Leyden, Groningen, and Amsterdam. Those of Utrecht, Leyden, and Groningen are State universities, that of Amsterdam was founded by the Municipality of Amsterdam. As the number of professors who are engaged in the education of pharmacists is a limited one, it follows that all branches are not taught with equal thoroughness in all of these universities. Professor van Wisselingh, at Groningen, for instance, has made a speciality of botanical studies; he is also engaged in teaching pharmaceutical chemistry and pharmacy. Professor Schoorl, of Utrecht, on the contrary, is a "pure" chemist. A short time ago a large pharmaceutical laboratory was built at Utrecht, and proposals have now been made to concentrate the education of all pharmaceutical students of the Utrecht, Groningen, and Leyden Universities at Utrecht. These proposals have given rise to an animated discussion. Professor van Wisselingh is a fervent advocate of this new proposal, while Professor van der Wielen, of the Amsterdam University, is an opponent. Many articles, *pro* and *contra*, have been written in the "Pharmaceutisch Weekblad," where Professor van Wisselingh upholds the advantages of concentration, while Professor van Bemmelen, of the Groningen University, and Professor van der Wielen judge the disadvantages to be of much more consequence than the advantages.

## Legal Reports.

**S. F. & D. Acts: Tincture of Quinine.**—At the Queenstown Petty Session last week, Mr. Thomas White, Ph.C., Queenstown, was charged with selling tincture of quinine which was 62.5 per cent. deficient in alcohol and 7 per cent. in quinine hydrochloride, and contained an excess of 10 per cent. of dried extract. Defendant admitted that a technical offence had been committed, but not of sufficient gravity to warrant a conviction. The case was dismissed, defendant being given the benefit of the First Offenders Act.

**Fulford's Pink Pills.**—A motion for judgment in default of defence in an action by G. T. Fulford & Co., Ltd. (of Canada), against Professor Edmunds, described as a health specialist, of Mall Street, Pontypridd, came before Mr. Justice Eve in the Chancery Division, London, on November 24. It was stated that the defendant had been passing off as the plaintiffs' pills of his own make, and the action was for an injunction to restrain him from continuing the offence, an order to deliver up any pills, and an inquiry as to damages. His Lordship made the usual order in cases where no defence was raised.

**S. F. & D. Acts: Camphorated Oil.**—At Dudley Police Court on November 27, Wm. Brooks, trading as Brooks & Co., Wolverhampton Street, Dudley, was summoned, under Section 6 of the 1875 Act, for selling camphorated oil which Mr. H. Silvester, B.Sc., F.I.C., the public analyst, had certified to contain 86.8 per cent. of olive oil and 13.2 per cent. of camphor, or 38 per cent. less camphor than the B.P. prescribes. In cross-examination by Mr. Graham Milward, for the defence, Mr. Silvester admitted that he computed this deficiency of camphor in the sample on the basis of the British Pharmacopœia 1898, and that according to the 1914 edition the deficiency would be 34 per cent., not 38 per cent. Mr. Milward contended that according to decided cases the certificate could not be put right by oral evidence, and submitted that the Statute had not been complied with, on which ground the summons must fall. Mr. Holt, for the prosecution, replied that the percentage of deficiency was not the value part of the certificate, and contended that as the analyst had been called at the request of the defence, the certificate had been put aside by his oral evidence. The Magistrates upheld this view, and, in reply to Mr. Milward, stated that they would be prepared to state a case if requested to do so. Mr. Milward again spoke, and defendant having given evidence, the presiding Magistrate (Dr. C. C. Messiter) said there had been a lack of carefulness in mixing, for which defendant, as the seller, was legally responsible, but they did not think he was personally responsible for the deficiency complained of. A fine of 5*l.*, including analyst's fee, and costs, was imposed.

[It will be remembered that lin. camph., B.P. 1898, was 1 oz. of camphor flowers and 4 fl. oz. of olive oil; now the formula is 200 grammes of camphor and 800 grammes of olive oil.—EDITOR C. & D.]

**A Cargo of Sulphur** was the subject of application in the Prize Court, London, on November 27, when Mr. Balloch moved for the release of the *August Leffler*, a Norwegian vessel, detained, with a large quantity of sulphur on board for about a dozen Swedish consignees. Ship and sulphur are at the port of Falmouth. The President of the Court (Sir Samuel Evans) said it might be urged that the purpose of the sulphur-trade was innocent, but they knew that sulphur was used sometimes in the manufacture of munitions. Mr. Balloch urged that no proceedings had been taken against vessel or sulphur within a month of detention, therefore under the Prize Rules it was open to the Court to order release and restoration. The Solicitor-General (Sir George Cave), for the Crown, said the ship and cargo are now being detained. The President asked Mr. Balloch whether his legal point was that the sulphur was neutral property on a neutral steamer with neutral destination, to be consumed in the country of neutral destination, and so not capturable as prize? If it was, he could dispose of that point at once. Mr. Balloch replied that his point was that here was sulphur going to consignees in Sweden, and that neither it nor products were going out of the country. His Lordship, inspecting the writ, observed that, by some extraordinary mistake, it contained the following sentence:

"Witness, Richard Burdon, Viscount Haldane of Cloan, Lord High Chancellor of Great Britain, this 23rd day of November, in the year of our Lord one thousand nine hundred and sixteen."

It is a bad writ! exclaimed his Lordship. Whoever made it may be supposed to know that Lord Haldane is not the holder of the office of Lord High Chancellor now!



Mr. Balloch: It is made out on an old form. That is a technical criticism. His Lordship: It is not a technical criticism. It is a bad writ. The motion for release must be dismissed.

**Order as to Shop-lighting.**—At the local court recently, Mr. E. N. Owen, chemist and druggist, Lymm, Cheshire, was fined 5s. for a breach of the lighting regulations. Vice-Chancellor Dudley Stewart Smith, K.C., who was on the Bench, said there seemed to be a misapprehension in reference to the requirements of the Act. There must be a "dull and subdued light of such a character that no part of the pavement, roadway, or any building is distinctly illuminated." A flaming gas light would not be dull light. If the door of a lighted shop was open to leave a streak of light on the pavement or the roadway for any appreciable time, that would be a breach of the regulation. "In each case," added the Vice-Chancellor, "it is a question of fact whether the light is 'dull and subdued.' In my opinion that ought not to be left to the discretion of a single police-constable, but it ought to be the subject of inquiry either by the members of the Bench themselves or by some evidence which is confirmatory of the constable's evidence. The object of the regulation is to secure a 'dull and subdued light,' and not to secure either fines or convictions." [These observations are of interest, but we may add that the Defence of the Realm Acts do not contain the provision, nor is the quoted passage from the regulations, but the following occurs in the order of July 22, 1916, applicable to lights outside the Metropolitan Police District and City of London:

"In dwelling-houses, hotels, shops, factories, docks, shipbuilding yards, and other premises of all descriptions all inside lights must be so reduced and shaded, or the windows, roof-lighting areas, skylights, glass doors, etc., so screened by shutters or dark blinds or dark curtains that no more than a dull, subdued light is visible in any direction outside, and no part of the pavement or roadway or any building or other object is distinctly illuminated thereby."

This is applicable to Cheshire from 1½ hour after sunset till 1½ hour before sunrise. The London order contains the following as to shops:

"The intensity of the inside lighting of shops and shop-fronts must be reduced so that no more than a subdued light is cast in any direction outside the premises. All sources of light must be so screened as to cut off from the windows and doors all direct light or light reflected from mirrors and other polished surfaces."

We also quote the order as to Scotland:

"The intensity of the inside lighting of shops and shop-fronts must be reduced or the lights obscured or shaded so that no more than a subdued light is visible outside and no part of the pavement or roadway or any building is distinctly illuminated thereby: in particular all sources of light must be shaded with some opaque material so that all direct light therefrom is cut off from the windows and doors."

We quote these orders in emphasis of their importance, and not in criticism of the Vice-Chancellor. Chemists, as shopkeepers, will recognise which order applies to their area, and bear in mind that there are different orders for dwelling-houses, factories, and other buildings.—*EDITOR C. & D.*

## Births.

DAVIES.—At 2 Partridge Road, Cardiff, on November 25, the wife of H. F. Davies, pharmacist, of a son.

RICHARDS.—At 5A Avenue Road, Shanghai, on November 1, the wife of J. H. Richards, of a daughter.

WATKINS.—At 21 Topsfield Parade, Crouch End, London, N., on November 24, the wife of Ernest A. E. Watkins, pharmacist, of a son.

## Marriages.

BENGER-MANBY.—At Startforth Parish Church, Yorkshire, on November 21, Major Alfred Horace Benger, Leicestershire Regiment, youngest son of Mr. Alfred Benger, Croydon, to Dorothy Lewis, second daughter of the Rev. Aaron Lewis Manby, Vicar of Startforth, and of Mrs. Manby.

LUCK-PRENDERGAST.—At the Chapel Royal, Savoy, London, on November 25, Arthur Courtlandt Luck, of Boston, Mass., to Dorothy Christine Prendergast, widow of George William Yelverton Prendergast, and daughter of Mr. John Morgan Richards, of Steephill Castle, Ventnor, Isle of Wight.

## Deaths.

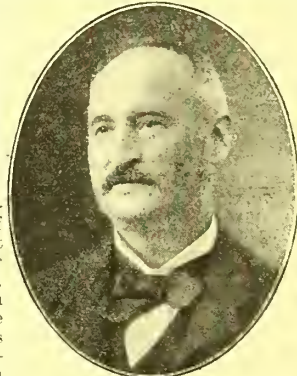
BETT.—At 44 Sloan Street, Leith, on November 25, after a short illness, Mr. Alexander Bett, for twenty-five years with Raimes, Clark & Co., wholesale druggists.

BLINKINSOP.—At 29 Earlsfield Road, Wandsworth Common, S.W., on November 23, Mr. William Edmund Brandford Blinkinsop, J.P., managing director of May & Baker, Ltd., Battersea, aged sixty. Mr. Blinkinsop's health had been somewhat indifferent for a year or two. He had secured a house at Seaford, where he had been living, and felt much the better for the change. He came up to town on Tuesday, and after attending to business, went to the station to meet Mrs. Blinkinsop, who had also been at Seaford. They drove home together, and after dinner Mr. Blinkinsop rested, but towards midnight he, without warning, suddenly expired from heart-failure. It was a cardiac trouble that had afflicted Mr. Blinkinsop, but there was some hope that the Seaford change would restore him. He had been connected with May & Baker for nearly forty years. His stepfather, Mr. R. C. Heath, became a partner in the firm with Mr. John May and Mr. Thomas Tyrer in 1876, and his partnership began two years later. He had received his scientific education at South Kensington, and on his entry into the business he gradually took charge of the manufacturing production. The partnership expired on December 1, 1890, Mr. Tyrer retiring, and at the end of the year the business was converted into a limited company, with a capital of 60,000l. Mr. Blinkinsop became managing director of the company, and this position he filled until his death; his sons, Mr. Richard B. Blinkinsop, F.C.S., and Mr. Philip Blinkinsop, being associated with him in the management, the former as a director.

HOLDEN.—At Burnley, on November 24, Mr. Thos. Holden, dispenser at the Medical Surgery, Bank Street, aged seventy-three. Mr. Holden had occupied his position for forty-six years. He leaves one son (Mr. E. H. Holden, chemist and druggist, Oldham) and three daughters.

PARKER.—At Bradleigh Mount Villas, York, on November 27, Mr. Thos. Parker, chemist and druggist, aged seventy-four. He served his apprenticeship at Selby, and at the age of twenty-three commenced business in Bridge Street, York, retiring some fifteen years ago, his eldest son succeeding him.

ROYSE.—At Tamworth House, Burnage, near Manchester, on November 24, Sir Samuel Walter Roysse, head of the firm of S. W. Roysse & Co., Manchester, chemical and metal merchants, aged sixty-six. Sir Samuel, who was Lord Mayor of Manchester in 1911-13, was a director of the Manchester Ship Canal, and a director and Chairman of the Chemical Section of the Chamber of Commerce. It was during his chairmanship of the Chemical Section that the Chamber vigorously supported the late Mr. Levenstein's campaign against the flagrant abuse of the British patent-laws by German chemical-manufacturers, which resulted in the passing of the Patent Act, 1908. He received his knighthood in 1912 on the occasion of King George's visit to Manchester.



SIR S. W. ROYSSE.

### Died on Service.

HONIATT.—Much sympathy will be felt for Mr. Albert T. Honiatt, dispensing chemist, Junction Road, Highgate, N., in the death of his youngest son, aged nineteen, which took place in France last month. He was a private in the R.M.L.I. with the R.N.D.V., whose brave exploits were recently referred to in the Press. This is the second bereavement which Mr. Honiatt has suffered this year, another son having been killed in battle seven months ago. His eldest son, A. R. C. Honiatt, chemist and druggist, is in the R.A.M.C. at the Aldershot depot.

INNES.—Killed in action on November 13, Captain William Robert Innes, of the Cheshire Regiment, aged twenty-seven. He was the only son of Mr. David Innes, chemist and druggist, Stalybridge, and was in the business



until as a Territorial he was called up. Lieutenant-Colonel W. H. Stanway wrote very sympathetically to Mr. Innes on November 20: "All ranks join me in tendering their deepest sympathy in your sorrow, for he will be missed very much by every man. I cannot speak too highly of him, as his conduct always was everything that could be desired, and a splendid example to all ranks. His death was instantaneous, and he suffered no pain."

**WARNER.**—Killed in action, Private Arthur Farrington Warner, Machine-gun Corps, fourth son of Mr. Matthew R. Warner, chemist and druggist, Wolverhampton, and formerly senior assistant to Mr. J. Rymer Young, Warrington.

## New Books.

Mansfield W. *Histology of Medicinal Plants*. 9¼×5½. Pp. 305. \$3.00. (John Wiley & Sons, New York, and Chapman & Hall, Ltd., London.) [The first part, consisting of about fifty pages, deals with the microscope and its uses, microscopic measurements, and methods of mounting specimens. Part II. is devoted to a consideration of tissues, cells and cell contents; while Part III. deals with the histology of roots, stems, barks, woods, leaves, flowers, fruits, and seeds, typical specimens being given as examples. There are numerous illustrations, those of microscopic features being on a large scale, and usually occupying a full page. They are original drawings by the author, Dr. Mansfield, who is Professor of Histology and Pharmacognosy of the New York College of Pharmacy. The book provides a course in vegetable histology of great practical value to students.]

Mason, H. B. *The Druggist and his Profits*. 7½×5½ in. Pp. 127. One dollar. (E. G. Swift, "Bulletin of Pharmacy," Detroit.) [Mr. Mason is Editor of the "Bulletin of Pharmacy," and for some years has interested his readers in the question of "What are the Real Profits of your Business?" The experience obtained in analysing the numerous statements of accounts which were submitted has enabled Mr. Mason to write an interesting manual assisting a druggist to read aright the facts about his returns and expenses, and employ this knowledge to the improvement of his business. It is a contribution to practical business problems which has been much appreciated in the United States, and while some modifications are required for this country, the principles are inviolable.]

Teetgen, Ada B. *Profitable Herb Growing and Collecting*. 7½ × 4½. Pp. 180. 3s. 6d. ("Country Life," 20 Tavistock Street, Covent Garden, London, W.C.) [Mr. E. M. Holmes, Ph.C., F.L.S., contributes a preface to this book, which is really a serious attempt to bring together much of the information on the growing of medicinal plants which has been published since the outbreak of war. It begins from the publication of Mr. W. A. Whatnough's paper on the subject in the "Journal of the Board of Agriculture," which was afterwards reprinted as a leaflet and attracted considerable attention. The various chapters are written in an interesting manner, and probably that which will be of most value is where the methods of drying herbs are described, illustrations being given of the drying-apparatus. Information is given as to the various movements which have been started with a view to foster the growing of medicinal plants, and a complete list of plants is appended arranged under the natural orders. Notes are given regarding the chief plants mentioned, and some dozen drawings of plants are used to illustrate the remarks. Mr. Wren, of Potter & Clark, Ltd., is among the people whose help the authoress acknowledges.]

## Bankruptcy Report.

**Re William Stevens** (trading as W. Goynne-Stevens), lately of 677 Romford Road, Manor Park, E., Chemist and Druggist.—An application was made to Mr. Registrar Brougham at the London Bankruptcy Court on November 23 for an order of discharge on behalf of this bankrupt, who failed in January 1904. Mr. J. B. Knight, Official Receiver, reported that the provable debts amounted to 577l. 8s. 9d.; the assets had realised 23l. 10s. He reported as offences (1) insufficiency of assets to equal in value 10s. in the pound on the amount of the unsecured liabilities; (2) omission to keep proper books of account; (3) trading with knowledge of insolvency; and (4) giving an undue preference to the father-in-law. His Honour upheld the report, and imposed a further suspension of two years.

## Trade Notes.

**SANTROCYL CAPSULES.**—Mawson & Co. inform us that their prices are now 14s. per doz. net for the 2s., and 18s. for the 3s. size.

**THROAT-PASTILLES.**—Jules Denoual & Co., Carlton Works, Asylum Road, S.E., print in this issue a list of their revised prices for the J. D. medicated throat-pastilles.

**SOUTHALL BROS. & BARCLAY, LTD.**, insert in the advertisement section of this issue an interesting letter which they have sent to the British purchasers of the Sanatogen Co.

**THE WELCOME RECORD AND DIARY, 1917**, for photographic customers is now ready. Burroughs Wellcome & Co. give thirteen to the dozen (12s.), with 30 per cent. off to retailers.

**HENRY C. QUELCH & Co.** make a feature in their advertisement this week of a number of Bourjois' products, which, besides being excellent, are French. They include face-powders and eyebrow-pencils. Claire's theatrical grease-paints are also quoted.

**GLYCERIN SUBSTITUTE** is a liquid cream introduced by John Bell, Hills & Lucas, Ltd., Tower Bridge Road, London, S.E. It is a softening emollient which has similar properties to glycerin, and is a preparation that chemists can handle with advantage.

**DAISY TABLETS.**—The prices of the new Daisy tablets (*C. & D.*, November 18, p. 40) are for quantities of not less than 1 doz. tins, 13s. per doz. net; 3 doz., 12s. 6d.; and 12 doz., 12s. Each tin contains twenty-five tablets. The minimum retail selling-price is 1s. 3d. per tin.

**EVANS' PASTILLES.**—Evans Sons Lescher & Webb, Ltd., Liverpool and London, invite the co-operation of chemists in pushing the sale of their enlarged size of antiseptic throat-pastilles, the minimum price of which is 1s. 3d. under P.A.T.A. conditions. The pastilles are being largely advertised.

**CHAS. MIDGLEY, LTD.**, 4 Exchange Street, Manchester, are making a special feature of toilet-soaps for Christmas, and illustrate a number of these in their advertisement, as well as some of their special medicated soaps, and we observe that they appoint and reserve one agent only in each town or district. They provide excellent means for retailers to increase the sale of their soaps.

**PROTECTED GOODS.**—During November the Proprietary Articles Trade Association added the following to the protected list: Barclay's British lysol; Emerson's bromo-seltzer; Gibbs' antiseptic shaving-powder; Ingram's Eclipse hot-water bottles; John Thompson's (Ltd.) goods (additional); limestone phosphate; May, Roberts & Co.'s goods; and Sister Laura's feeding-bottle.

**CHINESE PRODUCTS.**—Mr. J. H. Richards, drug and produce merchant, 31 Szechuen Road, Shanghai, inserts a most interesting advertisement in this week's *C. & D.*, for he offers to do business direct between China and this country in medicinal products, oilseeds, and various fatty oils. It will be noticed that Mr. Richards undertakes to obtain Chinese drugs other than the 600 which he has listed, and inquirers should communicate with him.

**FRENCH OTTO OF ROSE.**—With further reference to Gattefosse's French otto of rose, to which we briefly referred last week, we learn from the agents, Forwood Bros. & Donaldson, Ltd., Ropemaker Street, Finsbury, London, E.C., that they are aiming to get the support of the trade generally in replacing Bulgarian otto by the French otto, which is *sui generis*—a delicious perfume that experienced compounders rely upon for the production of exquisite odours. The firm have completed arrangements for regular supplies of the French otto as distilled by Gattefosse & Fils, whose experience and reputation are behind the product, while buyers and compounders have the guarantee of its analytical and physical factors, as well as the necessary assurance that it is produced in France. At the present time this assurance is important, for there is an opportunity now of establishing the superiority of the French over the Balkan product, which has been for so many years under suspicion; even the Germans said much about it which was the opposite of complimentary.

**CHRISTMAS GOODS.**—Cadbury Brothers, Ltd., Bournville, Birmingham, have made special provisions for supplying retailers with saleable and profitable goods for Christmas trade. The company devote attention to lines which the public are in most need of at the present time, and those in the retail drug-trade could handle several of these with pleasure to their customers and profit to themselves. We



mention several of the lines. Cadbury's cocoa and milk in  $\frac{1}{2}$ -lb. tins, labelled gold and white; Bournville cocoa in  $\frac{1}{2}$ -lb. tins, the printing on the label being yellow and red, half-a-teaspoonful of the cocoa sufficing to make a cup of cocoa; Cadbury's cocoa essence in the good old style; and Cadbury's breakfast chocolate in  $\frac{1}{2}$ -lb. tins, the product being especially rich. All these are valuable food adjuncts. Among the chocolate that Cadbury Brothers make are some packed ready for posting to soldiers abroad. These include Cadbury's milk chocolate, and Mexican chocolate, and all that the customer has to do is to buy the box, address it and stamp it, which of course the retailer can do for the customer. Similar chocolates are obtainable in smaller boxes. Other excellent lines are Cadbury's dairy milk chocolate, Bournville chocolate biscuits, Bournville chocolates, and Cadbury's tray chocolates, a milk product put up in beautiful style to go into the pocket. The company quote in this issue the special discounts that they are giving to retailers, 10 per cent. on 2l. orders, as well as the reduced retail prices.

HOWARDS & SONS, LTD., inform us that the board of directors have elected Mr. Alfred G. Howard, J.P., F.C.S.,



MR. ALFRED G. HOWARD.

F.L.S., as their new chairman, in succession to the late David Howard. Mr. Alfred Gravelly Howard is a son of Mr. Joseph Howard (late M.P. for Tottenham) and grandson of the late John Eliot Howard, F.R.S., and great-grandson of Luke Howard, F.R.S., the founder of the firm. After a scientific training under Dr. Williamson at University College, Mr. A. G. Howard became partner in the firm in 1882, and has ever since been actively engaged in the direction of the technical and scientific side of the business. He is specially gifted as a chemical engineer, and almost solely responsible for the planning and construction of the new factories at Ilford, as was explained in the *C. & D.*, April 25, 1914. Mr. Howard will continue to devote his time to that side of the business in which he has proved to be so proficient. At the same meeting of the directors Mr. David Lloyd Howard, J.P., F.C.S., was elected vice-chairman.

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," November 29, 1916.)

- "SPICOLINE"; for a varnish (1). By Griffiths Bros. & Co., London, Ltd., 29 Macks Road, Bermondsey, S.E. 373,951. (Associated.)
- "PETERLINEUM"; for wood-preserved (1). By C. A. Peters, Ltd., Market Place, Derby. 374,925.
- "SPRINGBOK"; for sheep-dip and disinfectants (2). By Robert Young & Co., Ltd., 38 Elliot Street, Glasgow. 375,236.
- "KARJEKA"; for all goods (3). By Evans Sons Lescher & Webb, Ltd., Liverpool. 375,432.
- "FORGET-ME-NOT," with bunch of same; for an ointment (3). By W. Galloway, 3 Larch Road, Balham, S.W. 374,852.
- "ARTHOLO"; for all goods (3) and (42). By Synthetic Manufacturing Laboratories, 383 Prescott Road, Liverpool. 375,433/434.
- "SHIBA BRAND"; for food substances (42). By Shibakawa & Co., 110 Fenchurch Street, E.C. 375,177.
- Label devices, including word "SUNLIGHT" and Spanish and Norwegian letterpress; for soaps (47). By Lever Bros., Ltd., Port Sunlight. 371,359/869. (Associated.)
- Picture of Irish Colleen; for goods (47). By McClintons, Ltd., Donaghmore, Tyrone. 374,382. (Associated.)
- "PANTALUTA"; for a detergent powder (47). By Vaccar, Ltd., 7 Southwark Street, S.E. 374,835.
- "CURLASH"; for toilet articles (48). By D. Fraser, 95 Wigmore Street, W. 370,868.
- "OSGARINE"; for hair dye, etc. (48). By Osborne, Garrett & Co., Ltd., 51-54 Frith Street, W. 375,185.
- "BOYDINE"; for toilet articles (48). By J. B. Parnall, 44 Hugh Street, S.W. 375,280.
- "TANK," with fanciful picture of same; for perfumery, etc. (48). By G. W. Goodwin & Son, Manchester. 375,427.
- "VULMET"; for a denture polish (50). By C. Ash, Sons & Co., Ltd., 5-12 Broad Street, W. 374,351.

## Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. SIDNEY HENRY PAGE, chemist and druggist, Peterborough, has been sworn in as a special constable.

MR. A. H. HALE, chemist and druggist, Broadstairs, has been appointed Almoner and Charity representative of the Bradstow Lodge of Freemasons.

THE LATE MR. JOHN LODGE HEATON, chemist and druggist, Batley, who died on August 24, 1916, left an estate valued at 5,263l. 12s. 5d. gross, with 2,054l. 4s. net personality.

COUNCILLOR G. J. KNIGHT, 452 Edgware Road, W., was one of the Committee of Marylebone which has presented a first instalment of 800l. to form a St. Marylebone Ward of St. Dunstan's Hostel.

MR. G. COVERDALE, Ph.C., York, and Mr. Owen A. Clark, J.P. (Nunn, Hennell & Clark, chemists and druggists), Bury St. Edmunds, have been re-elected directors of local Plate-Glass Insurance Companies.

L. HILL & Co. have started in business at 35 St. James's Street, Brighton, as wholesale dealers in toilet-articles, packed drugs, and fancy goods, under the title of the "Dolphinius" Wholesale Trading Stores.

MR. FREDERICK W. BIGGS, dispensing chemist, Stourbridge, has, after twenty-seven years in business at 181 High Street, removed to 18 Market Street, at the corner of Talbot Street. The removal is due to impending building alterations in High Street.

## Coming Events.

### Sunday, December 3.

*Pharmacist Volunteer Training Corps*, Duke of York's, Chelsea. At 9.30 A.M., Staff parade. At 12 noon, lecture on "Water-analysis," and to Section 5 and recruits on "First Aid." The bacteriological classes will be held as usual on Wednesday and Thursday at 17 Bloomsbury Square, W.C.

### Monday, December 4.

*Society of Chemical Industry, London Section*, Burlington House, Piccadilly, W., at 8 P.M. Mr. I. B. Horsbaum on "The Production of Nitrate of Soda in Chile."

### Tuesday, December 5.

*Röntgen Society*, Institution of Electrical Engineers, Victoria Embankment, London, W.C., at 8.15 P.M. Dr. Levy and Mr. Stenning on "Some Remarks on X-Ray Pastilles."

*Lancashire Ucal Lodge of Pharmacy*, Café Monico, Union Street, Oldham, at 3.30. Meeting and exhibition of Ucal products.

*South-East London Pharmacists' Association*, Maitland House, 134 Greenwich Road, Greenwich, at 8.45. Mr. J. W. Deakin will give an address.

*South-West London Pharmacists' Association*, Stanley's Restaurant, Lavender Hill, S.W., at 8.30 P.M. Mr. F. Pilkington Sargeant on "The Pharmaceutical Society."

### Wednesday, December 6.

*Royal Society of Arts*, John Street, Adelphi, London, W.C., at 4.30. Mr. C. M. Whittaker, B.Sc., on "The Coal-tar Colour Industry."

*Pharmaceutical Society of Great Britain*, 17 Bloomsbury Square, London, W.C., at 11 A.M. Council meeting. *North British Branch*, 36 York Place, Edinburgh, at 8.30 P.M. Mr. David Gilmour, Ph.C., inaugural sessional address on "Pharmacy and the War," Mr. F. Penfold on "Liquor. Bismuthi et Amm. Cit.," Mr. A. McCutcheon on "The Harvesting of Spaghnum Moss," and Mr. J. Rutherford Hill on "Formaldehyde and Potassium Permanganate Fumigant."

*Liverpool Chemists' Association*, Royal Institution, at 8 P.M. Mr. W. P. Want on "Minimum Price Regulation."

*Great Yarmouth Pharmaceutical Association*, at 8.30 P.M. Ordinary meeting.

*Birmingham Pharmaceutical Association*, Grand Hotel, at 7.15 P.M. Opening of the Session; President's address, supper, and musical programme. Tickets for supper (3s. each) from Mr. F. Smith, 221 Soho Road.

*Lancashire Ucal Lodge of Pharmacy*, Deansgate Hotel, Manchester, at 3.30 P.M. Meeting and exhibition of Ucal products.

### Thursday, December 7.

*Chemical Society*, Burlington House, Piccadilly, London, W., at 8 P.M. The papers to be communicated include the following: "Spinacidene: A New Hydrocarbon from certain Fish-liver Oils," by Mr. A. Chaston Chapman; "The Nitration of 2-acetyl-amino-3:4-dimethoxy benzoic acid and 3-acetyl-amino-1:2-dimethoxy benzene," by Messrs. C. S. Gibson, J. L. Simonsen, and M. G. Rau.

*North London Pharmacists' Association*, St. Padarn's Hall, Salterton Road, Holloway, N., at 3 P.M. Mr. E. T. Neathercoat will give an address.



## Observations and Reflections.

By Xrayser II.

### The Shortage of Sugar

from which we are suffering is, as you say, even greater in Germany, the chief sugar-producing country in Europe, and will be still more keenly felt there soon, the sugar-crop of the year having been a bad one, but in Germany more drastic measures have been taken to meet the difficulty than our milder Government have ventured to adopt. Brewing, for instance, has been greatly restricted, and apart from that only 400 grams of sugar weekly is allowed to each person.

### Your Obituary Notices

for these last few weeks have been unusually full, and have included many names famous in pharmacy and beyond it. None of them will have caused a profounder or wider-spread feeling of regret than that of Charles Umney, who, even to those of us who knew Mr. Umney by name only, stood for much more than mere business ability and honourable success. His "thought for the trade" (to use your own phrase) was shown so disinterestedly and in so many ways that he was looked upon as one of its chief pillars, both as regards its scientific obligations and its material interests.

### The Shortening of our Business-hours

most inevitably increase the difficulty of dispensing Insurance prescriptions on the day on which they are written, and if all the conditions mentioned in the order are to be enforced our trouble with them will be much further increased than is really necessary. At the same time, if only the doctors will co-operate with us and the public exercise a little commonsense, the difficulty may to a large extent be overcome. It is impossible, while doctors' hours of consultation are what they are at present, for many insured patients to see them in time to reach the chemist before eight o'clock, and it may not always be possible for the doctor to fix earlier hours, but as a rule a patient who is able to see the doctor in his consulting-room is not so bad that the prescription is really urgent. Nevertheless, chemists ought to have, without in any way injuring the public, some sort of relief from the obligation of working indefinitely after legal closing-hours. One thing rests entirely with ourselves and we must see to it; it is, not to discriminate in this matter between N.H.I. and ordinary dispensing. We must not let insured patients think that they are not considered equally with our private customers.

### The Bicentenary of the Death of Leibnitz,

the great German mathematician and philosopher, was on the fourteenth of last month, and deserves a brief notice here, for Leibnitz, among his many studies, included that of chemistry as it was understood in his day, and like Robert Boyle, whom he knew in England, took an active interest in medicine. He may indeed, almost be said to have taken all knowledge for his province, and his house in Hanover (in which I once spent a very interesting morning) is most appropriately used now as the home of the Kunstgewerbe-Museum, a collection of art-industrial objects and antiquities suggestive of the range of his studies. The basis of his philosophy was his theory of monads, said to have been adopted from Giordano Bruno. His monads, however, are not those of modern chemistry, but are conceived as the ultimate units of being, without parts, extension, or figure, capable of feeling and striving, having in infinitely varying degrees the power of perception; they are centres of force in a thoroughly dynamical universe—spiritual entities, self-determined, and each representing the universe to itself as it really is, though, as regards most of them, in a confused form. There is thus no essential difference in kind, but only a difference of degree between one form of existence and any other.

### Dr. Stockman,

in his lecture on "The Evolution of the Pharmacist" before the Chemists' Association at Glasgow, was careful to distinguish between pharmacists as a distinct class and the art they practise, but, even so, he did not credit us with so long an ancestry as we may justly claim. There were pharmacists, of a kind, among the Greeks and Romans, and the "apothecaries" of whom we read in the Authorised Version of the Bible may plausibly be regarded, after all, as pharmacists as well as perfumers, for their ointments were medicinal as well as cosmetic. Mr. Breslar, in an article on Talmudic medicine in recent numbers of "Notes and Queries," speaks of the "unguents mystically prepared by the *assia* (homœopathists) of the town or village." As for the Greek *pharmacopoloî*, it is clear, if the account of them given in Smith's Dictionary may be trusted, that they not only compounded medicines for use in their own irregular practice, but for the physicians as well. In one respect they seem to have been in advance of us, for their medicines, we are told, bore labels on which not only their names and uses were given, but their composition too. The Romans, again, had their "chemists' shops" (thus described by Guhl and Koner). Two have been unearthed at Pompeii, in which surgical instruments and solid and liquid preparations of different kinds were found. Their signboards bore the serpent of Æsculapius, with a pomegranate in its mouth. Dr. Stockman admits that the *Sepliarri* may have acted as dispensers, and it is not obvious why he denies them the name of pharmacists. They differed widely, no doubt, from the "pharmacist of the present day," but physicians themselves have quite as humble an origin, and we need not shrink from acknowledging these men as our forefathers in the craft.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

- |                                                   |                                    |
|---------------------------------------------------|------------------------------------|
| 139/18. Ray's liquid henna shampoo.               | 142/31. "Osgen."                   |
| 139/3. Sphinx corn-silk.                          | 146/17. "Vit" for dressing wounds. |
| 141/32. "Lentoid" or "Leutoid" disinfectant soap. | 142/30. "Serobia" soap.            |
|                                                   | 143/74. "Dialacta oil."            |

### INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.O.:

- |                                          |                                     |
|------------------------------------------|-------------------------------------|
| "Ambrine," 134/17                        | Logwood extract, 128/71             |
| Ammonia salts, 130/648                   | Luminous paint, 119/8               |
| "Antiphlogistine," 135/73 and 137/50     | Macaura's blood-circulator, 130/57  |
| Anti-thyroidine tablets, 125/37          | Mars oil, 117/12                    |
| "Astgar," 124/35                         | Menthol, 119/5                      |
| "Auroids," 129/61                        | "Numol," 122/24                     |
| "Bacterol," 135/16                       | "Odol" substitute, 1/19             |
| Baryta nitrate, 135/17                   | Olive oil, 119/57                   |
| Camel-hair brushes, 135/5                | Osgood's Indian cholagogua, 122/27  |
| Carpenter's liquid court plaster, 126/64 | Phosphoric acid, 114/58             |
| Combs, dressing, etc., 131/21            | "Pyramid" brand caustic soda, 120/2 |
| Combs, vulcanite, etc., 119/5            | Rigollot's mustard leaves, 135/73   |
| Copper sulphate, 116/15 and 130/647.     | Ronuk floor-polish, 135/73          |
| Corn-planes, 101/40                      | "Rosa-togen," 137/44                |
| Crocin (Pearson's), 135/73               | Saltpetre (Brandram's B.B.), 135/17 |
| Cryogenine (Lumiere), 135/73             | "Sedobrol," 125/38                  |
| Dawes' foot-rot cure, 130/23             | Senior's cloth-balls, 123/31        |
| "De Miracle" depilatory, 121/32          | Sharratt's fumigator, 126/49        |
| "Florosa" toilet specialities, 128/50    | Sodium bisulphite, 102/69           |
| Fustic extract, 128/71                   | Sperm oil, 134/22                   |
| Glebe diabetic sugar, 128/72             | "Spirastie" elastic hosiery, 126/48 |
| Glues, 130/640                           | Squaw vine compound, 105/40         |
| "Gyrol," 118/11                          | Squibbs' talc. powder, 116/6        |
| Hansen's cheese-starter, 123/30          | Surgeons' lint, gauze, etc., 128/73 |
| "Helenine," 61/63                        | Trench-candles, 125/33              |
| "Hellelen" batteries, 124/6              | "Vitamogen," 134/66                 |
| Lacquers, varnishes, etc., 130/644       | "Vixol," 139/14                     |
| "Lignola," 135/1                         | White lead, 130/643                 |
| Lloyd's colourless hydrastis, 129/1      | "Zenith" enema, 135/1               |





## DISINFECTANTS

(Fluid, Powder and Soap)

Also

- "Sanitas Fluid" No. 2 (Crude).  
Non-poisonous, disinfectant and deodorant.
- "Sanitas-Bactox."  
Homogeneous Phenoloid Disinfectant; 18/20 co-efficient.
- "Sanitas-Okol."  
Emulsified Phenoloid Disinfectant; 18/20 co-efficient.
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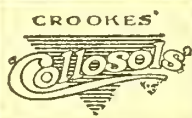
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## Editorial Articles.

### The 1917 Dispensing Terms.

We refer to Insurance dispensing in England and Wales. We reported a few weeks ago that the voting on the Executive Committee's question triplex was in favour of acceptance for 1917. This has been confirmed this week by the Pharmaceutical Society, which states that a substantial majority of the chemists of the country are in favour of the Committee's recommendation to accept service for 1917. Had the decision been different, we daresay that the result would have been as disagreeable at the present time as the resignation of the Cabinet—a circumstance particularly heartening to our enemies, and in that respect regrettable. There the contrast ends; we know that the Cabinet represents all parties in the State; we have got to learn that the Executive Committee is made up of representatives of all the pronounced opinions on Insurance dispensing in English pharmacy, and until it is as truly and widely representative it falls short of its possibilities. In the matter of the Scotch terms, which were quietly but thoroughly explained in THE CHEMIST AND DRUGGIST, the Executive Committee received expressions of indignation from many Associations, who desired to know why similar terms were not obtained for England and Wales. Mr. Sargeant's diatribes at Leeds may be taken as the Executive Committee's reply and explanation; but this was fully replied to and seriously discounted in our issue of November 25, p. 63. This may be regarded as final, and it proved that the English chemist is appreciably worse off in Insurance dispensing than the Scottish chemist is. As an official inquiry has been instituted on the point, we are content to wait for the result, although it cannot under its terms embrace the matter which was kept away from the Departmental Committee—to wit, how the prescriptions of panel doctors affected the outrageous discounting that chemists' accounts were subjected to before the Drug Tariff was so fallaciously altered. We are glad to learn that the Executive Committee realise this, for they are convinced of the inadequacy of the present terms, and are keeping this in view. It is the duty of dispensing chemists not to let them forget this.

### Women in Pharmacy.

We called attention recently to the exceptionally large number of persons who passed the Apothecaries' Society's Assistants' examination, and noted that the October list was the largest we had published (*C. & D.*, November 11,



p. 36). About the same time we had occasion to mention how serious was the falling-off in the Pharmaceutical Minor examination, but this was on a question of finance as well as of the war, and the Apothecaries' examination figures happen to be more eloquent of war conditions than the others appear to be. We may recall the fact that about a year ago our War Office sanctioned the replacement of male dispensers of military age in military hospitals by women holding a certificate of competency in dispensing, the Minor and Apothecaries' Assistants' certificates being mentioned. This meant official recognition of the latter class, but apart from this there has been an increasing demand for women in all departments of the drug-trade, and all the circumstances have been in favour of certificated women, with the result that the number who have entered for the Apothecaries' Assistants' examination has increased, while the number who have entered for the Minor has been decreasing. We put together the pass figures for the quarters of 1916 so that the significance may be seen, Apothecaries' figures going up quarter by quarter, Minor figures going down:

| 1916           | Apothecaries' Assistants | London Minor | Edinburgh Minor |
|----------------|--------------------------|--------------|-----------------|
| January ... .. | 61                       | 71           | 20              |
| April ... ..   | 95                       | 60           | 28              |
| July ... ..    | 114                      | 55           | 15              |
| October ... .. | 122                      | 19           | 16              |
|                | 392                      | 205          | 79              |

We have already said that the diminution in the Minor figures is due to the war taking men on service, and so preventing them qualifying according to the Pharmacy Act. It will be noticed that 284 have qualified this year. The average for the five years is 420, the yearly figures being: 1911, 436; 1912, 395; 1913, 453; 1914, 442; 1915, 462; and 1916, 284. The effect of the war was felt last year, but it is interesting to observe that the figures for students registered were growing well—505 were registered in 1911, 447 in 1912, 580 in 1913, 733 in 1914, and 592 in 1915—so that there was every hope that pharmacy was recovering, and it is apparent that war incidence is the cause of the Minor "slump." The tabular contrast shows how the Apothecaries' examination has met the deficiency. "The vast majority of candidates are females," writes Mr. Frank Haydon, L.R.C.P., M.S.A., Secretary of the Society of Apothecaries, to us, "and this is the time that England wants them." The Apothecaries' certificate is almost unknown in Scotland, and the figures in the table show that it is England that is seriously affected. It is clear that retail pharmacy is subject to and is experiencing the same changes as other occupations are. We all know how women have been helping in the business lately, but comparatively few dispensing chemists have realised that this means for the future the establishing of a change. We have had some interesting observations on the subject from "Jay Mack," the effect being a warning to the trade to adapt themselves to the new conditions, which are something that has arrived, and that we are no longer waiting for. We do not believe that men will be replaced by women in pharmacy—the figures are against this idea; but women are now having recognition in pharmacy that they never had before. Examination certificates are helping them, but business ability is needed to keep them where they are.

### Medical Research.

THE Second Annual Report of the Medical Research Committee instituted under the National Health Insurance scheme has been issued this week. It deals with the various researches that have been conducted during the year, and to which allusion has been made from time to time in our columns. One use of "chloramine T." is in dealing with spotted-fever carriers, who are treated by placing them in a room the atmosphere of which is charged with chloramine. After inhaling the fumes the carriers are stated to become free from danger. Mention is also made of the introduction of the double iodide of emetine and bismuth, which is being used with some success in dysentery.

### The Treatment of Venereal Diseases.

THE General Medical Council have passed a resolution that any legislative measures dealing with the prevention and cure of venereal diseases, to be effective in protecting the public health, must include provisions for restraining the treatment of such diseases by unqualified persons, and that the recommendations of the Select Committee on Patent Medicines should be adopted forthwith and embodied in the proposed legislative measures. It is too much, we suppose, to ask the General Medical Council to add a demand that doctors should be compelled to treat venereal patients who come to them. This is the logical outcome of the monopoly which doctors seek, and is necessary, seeing that it has been stated publicly that certain medical men refuse to attend to such patients. The London County Council has prepared a scheme for the diagnosis and treatment of venereal diseases which was considered at the meeting this week. Arrangements for diagnosis and treatment and the provision of laboratory facilities are being made at twenty-one London hospitals. This is to cost 17,650*l.* for the first year and 49,000*l.* for the following year. The amount to be spent on salvarsan and its substitutes is 6,875*l.* and 27,500*l.* It will be remembered that 75 per cent. of the money will be paid out of the national Exchequer.

### Sugar for Pharmacy.

THERE is increasing difficulty in obtaining supplies of sugar for pharmaceutical purposes, especially locally. The Pharmaceutical Society are supposed to be arranging an interview with the Sugar Commissioners or the Board of Trade, but we have not heard that anything definite has come of it. Sir J. Agg Gardner asked a question in the House of Commons on Monday in regard to the supply "to pharmacists on a guarantee" of sugar for making medicated lozenges. Mr. McKenna, in a written reply, said that the Sugar Commission is unable to grant special facilities to pharmacists for obtaining sugar. Considering that very few pharmacists make medicated lozenges, and, moreover, that medicated lozenges are only one of the uses for sugar in pharmacy, it would be interesting to know from whom the question emanated. The amount of sugar used in beer is troubling some correspondents in the Press, and a series of figures has been issued, apparently officially, showing "the amount of sugar, including its equivalent of syrups, glucose, and saccharin," used in the United Kingdom in the manufacture of beer. The absurdity of classing glucose and saccharin with sugar, with which they have no relation, makes it unnecessary to quote the figures. Until some concession is obtained for pharmacists we suggest that they might economise somewhat by employing glucose in place of sugar in cough-mixtures and unofficial syrups. A partial substitution of glucose for syrup affects the sweetness, but the preservative properties of syrup are unimpaired. Honey in some cases can be used in place of sugar.

### The Condition of the Medical Profession.

SIR DONALD MACALISTER, President of the General Medical Council, in his address at the opening of the winter session of the General Medical Council, gave some particulars of the students who are in attendance at the various medical schools of the United Kingdom. A census of students was taken in the summer, with the following result:

|                            | Men.  | Women. | Total. |
|----------------------------|-------|--------|--------|
| First-year students ... .. | 1,422 | 636    | 2,058  |
| Second ditto ... ..        | 783   | 295    | 1,078  |
| Third ditto ... ..         | 519   | 163    | 682    |
| Fourth ditto ... ..        | 1,078 | 145    | 1,223  |
| Final ditto ... ..         | 922   | 140    | 1,062  |

Of the first and second years about 500 were men under eighteen years of age in May 1916. In the other years all were over eighteen. Fourth and final year students had already been directed by the Army Council to pursue their studies: the others, at the schools of Great Britain, were or would soon become subject to recruitment under the Military Service Act. He called the attention of the military authorities to the shortage of students in the second and third years, and suggested that, in the interest of the



State, certain steps should be taken to diminish the apprehended danger from further depletion. The Army Council, having considered these suggestions, recently issued orders to the effect that registered medical students not classed as "fit for general service" were to be relegated to the reserve on condition that, while left to pursue their professional studies, they enrolled themselves in the Officers Training Corps.

A very great increase will be noticed in the number of women students, as well as of men students, during the year, and this may be expected in the future to have an important effect in meeting the shortage of medical practitioners after the war. The decrease in the ranks of doctors will be the result of the call to military service, which has been obeyed by the generation of students who would now be in their third, fourth, and fifth years of medical studies.

## Annotations.

**LACK OF THE CYPHER.**—Some London papers, like others in the Provinces, have reported that *3d.* has been added to the establishment-charge on Insurance prescriptions. This is a common error, and is due to the fact that the Insurance Commissioners' letter said that *3d.* was to be added. It is a peculiarly British failing to omit the initial cypher necessary in such decimal fractions as *0.3d.*, which was what the Commissioners meant. If the cypher were always used when necessary, errors like *3d.* when three-tenths of a penny is meant would not arise. We have used the word "British" instead of "English" because Mr. G. A. Tocher (who is a Scot) has told the "Evening News" that "the actual figure is .3"!

\* \* \*

**MEDICATED WINES AND SPIRITS.**—A supplemental Order applicable to the Hereford area has been made by the Central Control Board, applying the Order as to medicated wines and spirits to that area. The terms of the Order were printed in the *C. & D.*, July 15, p. 34. The matter is also dealt with in the *C. & D. Diary*, 1917, which our subscribers will be getting soon. In another Order applicable to the same area, and specifying the conditions upon which intoxicating liquors may be sold, the following is one of the saving provisions:

"The sale or supply of spirits to any person producing a certificate in writing dated and signed by a duly qualified medical practitioner that the spirits are immediately required for medicinal purposes and specifying the quantity of spirits required: Provided that the quantity sold or supplied shall not exceed the quantity specified in such certificate."

It is useful to have such a provision as this gazetted, for although it embodies a long-established practice, it is as well that the authority for it should be known.

\* \* \*

**MORE GLYCERIN TROUBLE** may be anticipated. So far the Ministry of Munitions has relied upon the patriotism of retailers in regard to confining the sale to medicinal purposes, but the Pharmaceutical Society has now suggested that a Defence of the Realm Order should be made, so that all dealers may be treated alike under it. We do not think the time has arrived for anything like that, but we daresay the Society's request may precipitate official action, and this is regrettable. So far there has been very little complaint, but a good deal of jealous grumbling, in spite of which the Ministry's method has worked well; an Order will immensely increase official duties, besides creating a world of trouble in the trade.

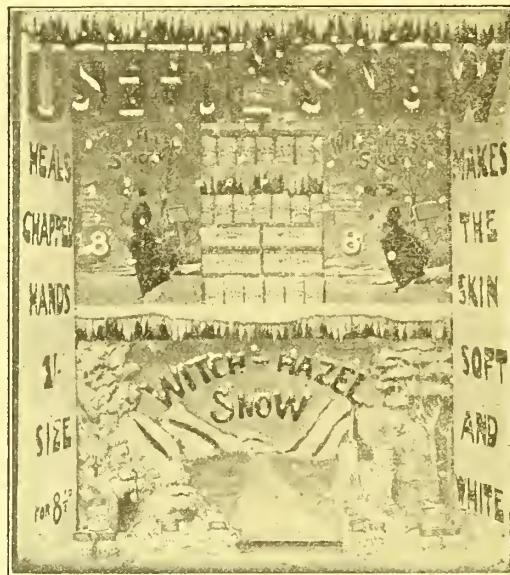
**SYNTHETIC CAMPHOR** is now being made in Philadelphia.

He who has some goods to sell,  
And goes and whispers it down a well,  
Is not so likely to collar the dollars  
As he who climbs a tree and hollers.

THE IMPORTS of drugs and chemicals into the Australian Commonwealth during the year ended June 30, 1916, amounted in value to 1,754,000*l.*, against 1,264,300*l.* in 1915 and 1,287,500*l.* in 1914.

## Chemists' Windows.

Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.



### A Wintry Window.

THE lettering on the window was cut out from brilliant red paper and white ink added for representation of snow. The letters "Useful snow" were then pasted on the window. Paper icicles hung from the top, also on the edges of shelves. Dabs of white paint were dotted on the window to give the necessary snow effect. On either side was a white board with letters on it cut out from the brilliant red paper, the wording being:

"Makes the skin soft and supple."

"Heals chapped hands. 1*s.* size 8½*d.*"

The background at the bottom of the window was a fibrous-plaster model in colours, and in front of this was placed a sheet of mirror-glass on which were placed jars of the witchhazel snow. Above this on the shelf two show-cards of ladies skating were placed with the usual matter in colours. Dummy bottles in the centre were built up to give the necessary fullness and completeness to the whole.—*H. A. Martin, Leicester.*

### Malted Milk.

ON November 30 judgment was delivered in the House of Lords—Lords Loreburn, Atkinson, Shaw, and Sumner—in the case *Horlick's Malted Milk Co. v. William Summerskill*, in which was raised the question whether the respondent, a medical man practising in Kent, has acted in such a manner, and in particular by the use which he made of the term "Malted Milk," as to represent or lead the public to believe that a preparation manufactured for and sold by him was the "Malted Milk" preparation of Horlick's Malted Milk Co., an American company who also carry on business in this country at Slough. Mr. Justice Joyce decided that the expression "Malted Milk" was not, as alleged by the appellants, invented by them or adopted by them to distinguish their preparation from others, and dismissed their action. The Court of Appeal came to the conclusion that the words were purely and accurately descriptive of a class of goods, and had not become in any way indicative exclusively of the appellants' goods, and dismissed their appeal. Against these decisions Horlick's Malted Milk Co. appealed to the House of Lords, with the result that their Lordships upheld the judgments of the Courts below, and dismissed the appeal, with costs.

A MUCH-NEEDED WANT.—Little girl entering a Leeds pharmacy: "A box of light nights, please."



## Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

### THE COCAINE INQUIRY.

The first meeting of the Departmental Committee appointed by the Home Secretary to consider the authorisations granted for the use of cocaine in dentistry was held on November 28 at the Home Office. The Right Hon. C. Hobhouse, M.P., presided.

### THE LOST BANK HOLIDAYS.

Mr. Herbert Samuel is stated to be considering the best way of making good the two Bank Holidays which were postponed from Whitsuntide and August. Whether these should be given in January and February, and whether legal sanction is required, are still unsettled questions.

### ARTIFICIAL VINEGAR.

In the House of Commons on Monday, Captain C. Bathurst, M.P., asked the President of the Board of Trade if he will consider the desirability, before Germany recommences to dump on the British market under the name of vinegar a mixture of dilute acetic acid and colouring-matter, of introducing legislation to prevent this from being in future sold as vinegar to the detriment of British manufacturers. Mr. Walter Long's reply was "Yes, Sir."

### TRADING WITH THE ENEMY.

The Bill for amending the Trading with the Enemy Acts, which recently passed through the House of Commons, was read a second time in the House of Lords on November 21. A new clause moved in Committee on November 22, deals with the cases where books which may be inspected under the Trading with the Enemy Acts have been tampered with. In a recent case of a Swedish firm suspected of trading with an enemy firm, it was found that the correspondence had been destroyed. The new clause is designed to deal with abuses of that kind.

### PANEL CHEMISTS' CLOSING-HOURS.

Mr. Yeo, M.P., is to ask Mr. Charles Roberts on Monday whether, in view of the fact that in many districts since the recent Early Closing Order, chemists refuse to open after 8 p.m. for the dispensing of medicines for panel patients, he will take steps to extend the closing-hour of chemists' shops to 9 p.m. on the other week-days than Saturday, particularly having regard to the fact that many insured persons are working long distances from home and late in the evening, are unable to have the medicines dispensed overnight and they leave home before the chemists open in the morning.

### PHARMACISTS AND MEDICATED LOZENGES.

Sir James Agg Gardner, M.P. for Cheltenham, on November 23 asked the Chancellor of the Exchequer if, in view of the difficulty experienced by pharmacists in obtaining an adequate supply of sugar for the manufacture of medicated lozenges, he will facilitate the grant of an increased supply to pharmacists on a guarantee that it would be employed solely in making lozenges of a medicated character.—Mr. McKenna replied on Monday, November 28, that the Sugar Committee regrets that it is unable to see its way to granting the special facilities asked for.

### SPECTACLE-LENSES.

Mr. H. W. Forster, M.P., has informed Mr. Stuart Wortley, M.P., one of the representatives for Sheffield, that the percentage of British-made spectacle-frames is seventy-five, and is steadily increasing. (The hon. member had inquired whether American spectacles are not being largely used.) Almost the entire output of spectacle-lenses of suitable quality made in this country is utilised for Army purposes, but as the number is insufficient to meet the whole demand it is necessary to utilise imported lenses, which are finished in this country, and all the fitting in accordance with the prescriptions is also done here.

### THE DRUG FUND.

Mr. Charles Roberts was asked by Mr. H. J. Glanville, M.P. for Bermondsey, in the House of Commons on November 28, whether his attention has been called to the fact that although discharged soldiers and sailors, by virtue of a new regulation, are not to be deprived of Medical and Sanatorium Benefit on account of arrears, no money is paid into the Central Medical Benefit Fund to remunerate the doctors for treating such persons in arrears, or for providing them with drugs and appliances, and whether he will give an assurance that the fund will be proportionately

increased so that the doctors will receive payment in respect of discharged soldiers and sailors in arrears.—Mr. Roberts replied that the hon. member is under a misapprehension. Due allowance for the effect of this regulation in the first and any subsequent year in which it is operative will be made in the calculation determining the amount payable for Medical Benefit.

## General Medical Council.

THE hundred and fourth session of the Council was held at 44 Hallam Street, London, W., commencing on Tuesday November 28, with a full attendance of members and an unchanged *personnel*, the Privy Council having issued an Order prolonging the tenure of the present direct representatives till the end of 1917, and providing that no new election be required. The Registrar, now Lieut.-Colonel King, is still serving his country, and other members of the staff have now joined the Army, but Mr. A. J. Cockington remains as Acting Registrar. The khaki in which Dr. Saundby shone last May is now donned by Mr. Hodson, who represents the Royal College of Surgeons, Edinburgh. The only absentee was Dr. Caton, who has undergone an operation, but is on the road to recovery. The President expressed the regret felt at the death of two eminent former members of the Council, Sir William Power, K.C.B., who was Chairman of the Public Health Committee, and Sir Victor Horsley, C.B.; also of Sir Lauder Brunton, who formerly helped the Council as a referee in pharmacology in connection with the British Pharmacopœia 1898. Congratulations were offered to Sir Nestor Tirard, medical editor of the British Pharmacopœia, on the distinction conferred upon him "in recognition of his professional merit and service, and of his able endeavours on our behalf." An unusually long

### PRESIDENTIAL ADDRESS

dealt with a variety of matters of pressing importance. Speaking of the difficulty of ensuring an adequate supply of qualified men for civil, and more especially for military, practice, and hinting at possible compulsion for those who failed to respond to the call of patriotism, the President paid a high tribute to the services rendered by women practitioners and the need for more military hospitals. Other topics reviewed as the prospective work of the session included the revision of the dental curriculum and the danger to the public of the indiscriminate use of cocaine and other drugs which could be obtained at present from any unqualified person who called his shop "a dental surgery." The President hopes, however, in spite of the amount of business, that it may be completed within the week.

### A WARNING NOTICE

with regard to the covering by practitioners of uncertified midwives, drawn up by the President in consultation with the legal assessor, was the first matter on the programme. Sir Francis Champneys, in moving that it be approved by the Council, stated, in reply to the objection sometimes raised that there is a shortage of certified midwives, that there are sufficient if they are properly distributed, and that the Local Government Board has now made it possible for County Councils to secure the services of qualified women by paying half their fees from the State fund. Dr. Newsholme, in seconding, said that it only remained for the local authorities to take the necessary steps. The President was anxious that the Council should clearly understand that the question before them was simply that of the practitioner who deliberately lied, and who signed certificates bolstering up unqualified women under the pretence that they acted under his (the practitioner's) direction. It was agreed that the notice and the covering letter accompanying it be sent to the local authorities as well as to the medical profession.

### VENEREAL DISEASES.

The motion of Dr. Langley Browne that the President be requested to inform the Lord President of the Privy Council that in the opinion of the Council any legislative measures dealing with the prevention and cure of venereal disease must include provisions for restraining the enormous amount of treatment by unqualified persons, and also that the recommendations of the Select Committee on Patent Medicines should be adopted and embodied in the proposed legislation, was unanimously carried. The President said that such a motion was very opportune. It was agreed to bring it under the purview of the Minister of Public Health, and to send copies to the Local Government Board and the Home Office.



## THE PENAL BUSINESS

commenced at the meeting on Wednesday with the case, postponed from last session, of Wm. Shaw, L.R.C.P., Larne, co. Antrim, who had been convicted at the Larne Town House of drunkenness in the public street. Mr. Shaw attended, and read testimonials as to his recent conduct from fellow-practitioners. In view of his declaration that he was now a teetotaler, and intended to remain one, the President, impressing on him the extreme importance of keeping that promise, said that the Council did not see fit to erase his name from the Register. Another case, postponed from last May, was that of Daniel Evans Powell, M.B., C.M., High Street, Tooting. The Central Midwives Board had brought the charge against Mr. Powell that he had "covered" an uncertified woman, enabling her to practise as a midwife. Mr. Butcher attended the accused, and put in a number of letters testifying to the respect in which he was held by brother practitioners. The Board having no further complaint, and Mr. Powell protesting his earnest desire to observe the serious warning given by the Council, the latter did not see fit to remove his name from the Register. A second case brought up by the same Board, and on all-fours with that of Mr. Powell, occupied all the rest of the afternoon. The offence of Mr. Thos. Dixon Cook, M.B., C.M., of Glendon, Torquay, in having enabled three unqualified women who had been convicted for contravention of the Midwives Act to practise as midwives, was gone into very thoroughly and patiently. The Inspector of Midwives and a representative of the Prudential Assurance Co. attended from Torquay, and seven patients were brought down, who gave more or less the same testimony in broad Devonshire. Mr. Cook had never been present at the birth; he had called once, but only to sign the Maternity Benefit paper, and had been paid 2s. 6d.; he had never, however, signed the notification of birth. Mr. Cook conducted his own defence, tendering himself as a witness, and in reply to the cross-examination of Mr. Bertram, representing the Midwives Board, and the searching questions put through the Chair, urged that he was ready to come if sent for, that these uncertified women never made a mistake, that there was a scarcity of midwives in Torquay, that the poor could not afford to pay for a nurse and doctor as well, and that he did not understand the Midwives Act. After a brief consideration *in camera* the President announced that the Council found the facts alleged to be proved, and that the Council took a grave view in the public interest of the offence; but in order to give the accused an opportunity to reconsider his position the case would be postponed till next session.

## Associations' Winter Session.

**Harrogate.**—A meeting of the Harrogate Pharmaceutical Association was held on November 24. Mr. A. W. Wood (the new President) in the chair. A gift of pharmaceutical books was received from Mr. Douglas, Ripon, which it was resolved to ask the Corporation to add to the reference library. It was agreed not to supply glycerin except for medicinal purposes. Mr. E. Short was elected a member. The President then delivered his inaugural address, and gave some reminiscences of Harrogate thirty-five years ago. Afterwards a smoking-concert took place, in which Messrs. Hines (at the piano), Lambert Foster, O. R. Windemer, G. Fenn, G. Weston, T. E. Handford, P. L. Ridge, Atkinson, and Mortimer took part.

**London (N.).**—The first sessional "Fireside Social" of the North London Pharmacists' Association was held on November 23, at the residence of the President, Mr. C. W. Matthews, and Mrs. Matthews. The first part of the evening was given over to music, in which Mrs. Swanstone, the Misses Ford, Matthews, Bowie, and Messrs. Bowie and Jenkin took part. After refreshments had been served progressive whist was played, the winners being Miss Ford, Mrs. Swanstone, Mr. A. W. Bromley, and Mr. Wynne Williams. A vote of thanks was accorded to the host and hostess.

**West Bromwich.**—A meeting of the West Bromwich Pharmaceutical Association was held at 53 High Street on November 21. Mr. M. H. Griffith (President) in the chair. A letter was read from the Advertisers' Protection Society, Ltd., dealing with the suppression of fraudulent newspaper advertisements. The meeting thought that advertisement writers and newspaper proprietors should be approached with a view to putting a stop to this abuse, and that Pharmaceutical Associations should help. The correspondence included letters from the Proprietary Articles Trade Association and the Pharmaceutical Society.

It was agreed to do all that is possible to check the sale of glycerin.

**Wolverhampton.**—A meeting of the Wolverhampton Chemists' Association was held on November 22. Mr. E. H. Bowdler (President) in the chair. Sympathy was expressed with Councillor Willcock and Mr. M. R. Warner on the loss of their sons in action, and also with Mr. W. R. Dunn on the death of his brother in action. It was announced that the chemistry prize given by the Association to the Technical School had been awarded to C. Mary Lewis, and the botany prize to Frances Corbishley. It was agreed that an advertisement should be inserted in the local paper announcing that chemists have ceased to supply glycerin except on the prescription of a medical practitioner. Mr. A. E. Marlow then gave a paper entitled "A Pharmacist's War-time Hobby," which referred to making engineering models to scale.

**Chemists and Druggists' Society of Ireland.**—A pleasant whist-drive was held on Wednesday evening, November 22, in the rooms, Waring Street, Belfast. There was a good attendance of members and lady friends, to all of whom the President (Mr. W. J. Rankin) extended a hearty welcome.

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

## Chemist Removed from the Panel.

As a result of the inquiry held by a Committee constituted under the National Health Insurance (Medical Benefit) Regulations (England), 1913, at the offices of the National Health Commissioners, on September 25, and reported in THE CHEMIST AND DRUGGIST, September 30 (p. 44), we are informed that the name of J. J. Laws, chemist and druggist, trading as J. Evans, 13 Turnham Green Terrace, Bedford Park, Chiswick, has been removed from the panel of chemists within the area of the Middlesex Insurance Committee. The inferences drawn by the Inquiry Committee are as follows:

(a) That the respondent made additions to prescriptions given by Dr. O'Neill and his *locum tenens* in nineteen cases out of a total of about 8,000. The Inquiry Committee is not disposed to attach great importance to this part of the complaint, as the pecuniary advantage to the respondent resulting from the addition was small, and the respondent may have believed the addition to have been intended by the doctor. It is obvious, however, that the practice is improper and opens the door to abuses.

(b) That the respondent on several occasions dispensed on a prescription for "Rep." or "Rep. mist." drugs not ordered on the prescription immediately preceding or on any other prescription for the same patient. It is significant that the cost to the Insurance Committee of the drugs so dispensed by the respondent was in many cases considerably greater than the cost of the drugs intended by the doctor to be supplied to the patient. The explanation put forward by the respondent that any mistakes of this nature were due to stress of business was not accepted by the Inquiry Committee as satisfactory.

(c) That the respondent showed great want of candour in inducing Dr. O'Neill to order from him the preparation of tinct. limonis co. (Schwartz) without disclosing that he was himself the proprietor and vendor of the preparation.

## Reports from Local Centres.

## ENGLAND.

**Birkenhead.**—At the meeting of the Insurance Committee on November 16, correspondence with the Commissioners regarding payments to chemists for emergency dressings was discussed. The Committee adhere to their arrangement to pay for these at the rate of 33½ per cent. above Tariff prices.

**Birmingham.**—The Insurance Committee, reporting on 1915 income and expenditure, state that of Medical Benefit there was paid away 113,514l. 0s. 7d., of which 101,219l. 1s. 1d. related to 1915. The latter amount was made up of 18,877l. drug fund, 80,456l. practitioners' fund, and 1,885l. institutions fund. The total received from the Commissioners was 127,000l. 1s. Staff cost 3,673l.; office accommodation, 1,077l.; stationery, printing, and postages, 1,033l.; and Sanatorium Benefit, 9,260l., of which 7,957l. went to hospitals and sanatoria.

**Cornwall.**—At the meeting of the Insurance Committee on November 22, it was reported that the average cost per prescription for the quarter ended March 31 was 5.91d., and the cost per insured person 4.59d.

**Hertfordshire.**—At the meeting of the Insurance Committee on November 20, the question of the quality of drugs



prescribed by the doctors was raised by Mr. Preece, who referred to the evidence of an anonymous chemist before the Commission of Investigation (*C. & D.*, November 18, p. 50). Dr. Gilbertson, a member of the Committee, stated that doctors order the best drugs, and will continue to do so, as surcharging has not happened nor is it likely to happen in the county.

**London.**—At the meeting of the Insurance Committee on November 23, the report of the Medical Benefit Sub-Committee came in for some discussion (see *C. & D.*, November 25, p. 59). Dr. H. H. Mills asked permission to withdraw the recommendation to publish a revised edition of the London Insurance Pharmacopoeia. Mr. Woolcock said the Panel and Pharmaceutical Committees offered no objection to the publication, providing it did not involve liability of surcharging the Committees. He proposed a resolution embodying an undertaking to this effect from the Insurance Committee. An amendment was moved by Dr. Mills, which Mr. Woolcock accepted, that the Committee offer no objections to the payments provided that the Commissioners will pay the money out of funds other than those of the Committee, and will undertake that such payments will not involve the Committee in risk of surcharge by the Treasury auditors or in claims by individual doctors and chemists, etc. The motion was adopted.

**Newcastle-upon-Tyne.**—The Medical Benefit Sub-Committee reported on November 21 that arrangements have been made for chemists' shops to remain open in rotation until 8 P.M., and also for doctors to put forward their surgery hours to 5.30 P.M.

**Salford.**—The Medical Benefit Sub-Committee have received a letter from the medical adviser enclosing a report from the public analyst, which stated that samples of medicines obtained from six chemists on the Salford panel have disclosed serious defects in dispensing. The letter was referred to the Pharmaceutical Service Sub-Committee.

**Surrey.**—At the meeting of the Insurance Committee on November 22, the motion to adopt the report of the Finance and General Purposes Committee brought up the question of the amount which the Commissioners are to grant towards the cost of the prescription-pricing department. It was stated that the Commissioners had promised that the new scheme should not cost more than the Committee were paying previously, but there seems a doubt as to what the promise was. A resolution was carried asking the Commissioners to state what amount they will grant to the Committee.

#### SCOTLAND.

**Glasgow.**—The Burgh Insurance Committee issued to the panel medical practitioners on November 23 a statement showing the final adjustment of the medical accounts for the years 1913 and 1914. It also contained a cheque for each year. The aggregate amount of money distributed was 14,205*l.* 14*s.* 7*d.*, so that each practitioner received a substantial sum, the average amount being 38*l.* 6*s.* 8*d.* per practitioner. For the year 1913 the net amount received for Medical Benefit was 152,507*l.* 9*s.* 10*d.*, of which 116,470*l.* 8*s.* 8*d.* was placed to the practitioners' fund, 26,877*l.* 15*s.* 11*d.* to the drug fund, and 8,959*l.* 5*s.* 3*d.* to the drug suspense fund. To the latter two items 655*l.* 10*s.* 2*d.* was added to meet excess cost of drug accounts, making the drug total 27,533*l.* 6*s.* 1*d.* The drug fund almost sufficed to pay the chemists' accounts, for 8,303*l.* 15*s.* 1*d.* was transferred from the drug suspense fund to the doctors, as well as 8,449*l.* 5*s.* in respect of unallocated persons, making the total for the doctors 133,677*l.* 12*s.* 4*d.*, of which 132,593*l.* 1*s.* 4*d.* had been paid to them, leaving 1,084*l.* 11*s.* for further distribution. For 1914 the Medical Benefit money was divided into 111,913*l.* 6*s.* 9*d.* for the doctors and 34,434*l.* 17*s.* 8*d.* for the drug fund (including the suspense fund); of the latter 30,509*l.* 8*s.* was required to pay for drugs, leaving 3,925*l.* 9*s.* 5*d.* of a balance, which, with 3,695*l.* 17*s.* 9*d.* from the suspense fund, made the amount available for doctors 124,032*l.* 7*s.* 3*d.*; of this they had received 110,911*l.* 3*s.* 8*d.*, so that 13,121*l.* 3*s.* 7*d.* is available, or 14,205*l.* 14*s.* 7*d.* for the two years. The amount actually paid to chemists in the two years was 58,042*l.* 14*s.* 1*d.*, and the doctors have received more than a third as much in floating sixpences and money for unallocated persons—a big unearned increment.

**Kirkcaldy.**—At the meeting of the Insurance Committee on November 24, a letter was read from the Commissioners authorising a deduction of 6*d.* per insured person on the list of a doctor who had failed to send in his medical returns for 1915. This deduction amounts to 33*l.* 16*s.* A letter of protest from the doctor was read, and the Com-

mittee, sympathising with the doctor, have written to the Commissioners, suggesting that 10*d.* would meet the justice of the case.

#### WALES.

**Cardiff.**—At a meeting of the Pharmaceutical Committee on November 27, Mr. J. D. Jenkins, chemist and druggist, resigned his position as Secretary, and Mr. Alec S. Johnson, of Drane & Co., Ltd., chemists, Queen Street, was appointed his successor.

## Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

**Microvolumetric Analysis.**—Professor Dr. H. J. Hamburger (Amsterdam) has perfected a method of microvolumetric analysis of small quantities of  $\text{SO}_2$ . He uses a glass apparatus, the upper part of which consists of a small funnel, ending in a graduated tube closed at the other end. The precipitate is transferred to this tube without washing, then it is turned in a centrifugal machine until the volume of the precipitate no longer changes. He has determined small quantities of potassium in this way, and found that the exactness reached 0.000076 gram of potassium. The sulphuric radical was determined with barium chloride, acetone being added. The error was not greater than 0.000294 gram of  $\text{SO}_2$ . Some points have still to be cleared up, and the professor is working at these.

**Russian Belladonna.**—In 1914 efforts were made in Russia for the first time to make the cultivation of belladonna a success. Vayette has now examined the herb, of which a rich harvest has been gathered. The yield of dried leaves was found to be 53.1 per cent. of the natural weight, the stalks being 46.8 per cent. The leaves gave 28.25 per cent., and the stalks 20 per cent. of extract, the former containing 2.109 per cent. of hyoscyamine, the latter 1.618 per cent. In operating on the whole herb (leaves and stems), 24.37 per cent. of extract, containing 1.878 per cent. of hyoscyamine, was obtained. The hyoscyamine extracted from the leaves melted at 110°–111°, and its specific rotation was +22.12°. A 2-per-cent. solution of the alkaloid in alcohol containing 0.25 per cent. of caustic soda lost its optical activity in twenty-four hours. On evaporation the solution left residue which yielded atropine melting at 115°. The richness of the stems in alkaloids is noteworthy.

**Oil of Butneria Occidentalis.**—Scalione (*Jour. Ind. Eng. Chem.*, 1916, 729) reports on the essential oil of *Butneria* (or *Calycanthus*) *occidentalis*, a plant known locally as the spice bush, which is found in Northern California and Southern Oregon. An alkaloid was discovered by Eccles in a closely allied species, which he named calycanthine, and various other species are known to have physiological activity. From 400 lb. of leaves and twigs just over 1 lb. of essential oil was obtained. It had a greenish-yellow appearance, and the following characters: sp. gr. at 25° = 0.9295; refractive index at 20° = 1.4713; optical rotation, +7° 28'; free acid-value, 0.05; ester-value, 54.25; ester-value after acetylation, 87.8. The oil was fractionated under a Le Bel column, and the following fractions were obtained:

| Temperature   | %    | Sp. gr. | Rotation | Ref. Index |
|---------------|------|---------|----------|------------|
| 154°–170°     | 8.5  | 0.881   | +16.4°   | 1.4590     |
| 170°–180°     | 51.8 | 0.912   | +5.8°    | 1.4585     |
| 180°–190°     | 9.5  | 0.921   | +6.6°    | 1.4650     |
| 190°–200°     | 2.5  | 0.929   | +9.5°    | 1.4665     |
| 200°–220°     | 8.8  | 0.963   | +36.4°   | 1.4817     |
| 220° and over | 10.2 | 0.936   | +18.8°   | 1.4793     |

The first fraction consisted mainly of pinene, which yielded a nitrosochloride melting at 102.3°. Fractions 2, 3, and 4 were refractionated, and a fraction boiling constantly at 176° was obtained. This was found to have all the physical characters of cineol, and yielded an iodol compound melting at 111.2°. It was therefore identified as cineol. Fractions 4 and 5 were found to contain borneol, which was identified by its semicarbazone, which melted at 235.8°. Camphor appears to be present in the oil in minute quantity. Methyl salicylate was found in fraction 6, but the amount was very small. The pleasant smell of bergamot in fraction 6 indicated the presence of linalyl acetate, which was identified by an examination of the saponification-products. Linalyl phenylmethane was prepared, melting at 65.4°, which established the identity of the alcohol. Sesquiterpene alcohols were found in the highest-boiling fractions. The amounts of the various constituents which could be estimated are as follows: Pinene about 8 per cent., cineol about 60 per cent., borneol about 9 per cent., and linalyl acetate about 19 per cent.



## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

### 42 Cannon Street, E.C., November 30, 5.30 p.m.

THE markets are dominated at present by two factors, one tending to counteract the other. Chemicals and drugs are chiefly imported, which fact takes us to the first thing that is influencing prices—to wit, freight. C.i.f. prices are all higher, so that, even though our New York advices show easier rates for the goods, it does not necessarily follow that the rates here correspond. In fact, this week's markets show better prices for all bulky things, and freight with other influences in common is at the bottom of that. The balance, such as it is, is afforded by the season, which is that of stocktaking, so that holders who want to put goods into money are inclined to reduce their stocks at a sacrifice, and apart from goods selling lower. The tendency also increases the volume of business. The price-changes of the week are sufficiently indicated by the following:

| Higher         | Firmer              | Easier           | Lower          |
|----------------|---------------------|------------------|----------------|
| Acetic acid    | Benzoic acid        | Acetic anhydride | Isinglass      |
| Eucalyptus oil | Camphor             | Bergamot oil     | Salicylic acid |
| Juniper oil    | Clove oil           | Lime-juice       |                |
| Lemon oil      | Cocaine             | Turpentine       |                |
| Linseed        | Potass.             |                  |                |
| Opium          | bromide             |                  |                |
| Quick-silver   | Potass permanganate |                  |                |
| Sandal oil     |                     |                  |                |
| Vermilion      |                     |                  |                |

### Cablegram.

NEW YORK, November 29.—Business on this market is fair this week. Guarana is lower at \$1.15 per lb. Oil of peppermint is firmer at \$2.15, and ippecacuanha higher at \$2.20. The price of hydrastis-root is \$5.10, which is lower than last week; antipyrin is also lower, having dropped to \$17 per lb. from up to \$18; phenacetin is easier at \$36; but chloroform is higher at 55c. per lb., and Oregon pine balsam has advanced to 85c. per lb.

### London Markets.

ACETIC ACID.—Higher prices from New York have again been quoted, and for pure 80-per-cent. acid prices up to 87l. per ton f.o.b. New York are mentioned for early delivery, and glacial acid is 120l. in barrels.

ACETIC ANHYDRIDE.—Easier rates are mentioned this week.

BENZOIC ACID.—Sales of acid ex *toluol* have been made at 27s. 6d. per lb.

BROMIDES are ranked higher this week, probably owing to the fact that a leading American maker has had a factory breakdown, so that deliveries are slow. Potassium bromide in crystals is scarce, and 7s. 6d. per lb. is wanted for it, otherwise the market is unchanged, though firmer owing to New York's stocks being smaller, but an early improvement is expected.

CAMPHOR.—Although English makers' price for bells is still 2s. 9d. per lb. they are doing no business at that figure, and second-hand holders want from 3s. to 3s. 6d. for it.

CANARY-SEED is quiet at last quotations—namely, 83s. to 86s. per quarter for fair to good Morocco.

CARBON TETRACHLORIDE.—We noted in our issue of November 18 (p. 33) that the exports from France, without special authorisation, had been prohibited when consigned to the United Kingdom, etc. For some weeks past there have been inquiries in this market for several tons, but supplies are difficult to find.

CASCARA SAGRADA.—A very firm market, the price on the spot here being about 65s. per cwt., and from the other side 70s. c.i.f. is wanted, which under present freight conditions means 75s. here, but 66s. 6d. should buy three-year-old bark.

CASTOR OIL.—In Liverpool a fair business has been done in good seconds Calcutta at 5½d. per lb.

CINCHONA.—The bark-auction in Amsterdam on December 7 will comprise 2,122 packages of pharmaceutical bark, weighing 110,334 kilos. The first-hand stock at Amsterdam consisted on November 16 of 6,593 packages of Government bark, and 41,514 packages of private bark, including the first-hand packages to be offered on December 6-7.

CITRIC ACID.—Crystals on the spot is 2s. 6d.

CLOVE OIL.—Firmer, at 5s. 9d. to 6s. per lb.

COCA.—At the Amsterdam auction on December 7, 1,965 packages, weighing 105,165 kilos., will be offered.

COCAINE HYDROCHLORIDE.—Firmer, 19s. per oz. now being wanted, and there seems to be nothing obtainable below that.

COD-LIVER OIL.—Our Bergen correspondent, writing on November 20, reported that non-congealing oil was then quoted at about 575s. per barrel f.o.b. Bergen, but business was limited. There is nothing doing in the oil here.

CORIANDER-SEED.—Further business has been done at 52s. 6d. per cwt. for fair Morocco, but 55s. is now asked.

CREAM OF TARTAR.—Still keeps firm, 182s. 6d. being the price for 99-100 per cent.

CUMIN-SEED has been sold at 87s. 6d. per cwt. for fair Morocco, being firm.

DILL-SEED has been sold at 26s. per cwt. for fair East Indian.

EUCALYPTUS OIL.—Dearer, 2s. 1d. to 2s. 4d. per lb. being wanted according to the eucalyptol content, and not less than 2s. 7d. for *E. Globulus* oil. There is very good demand for all kinds of oil.

FENNEL-SEED is quoted 32s. 6d. per cwt. for East Indian.

FENUGREEK-SEED is firm at 29s. to 30s. per cwt. for fair Morocco.

FORMALDEHYDE.—Last week's stringent conditions continue, without further alteration in prices.

GINGER.—Sierra Leone in Liverpool has been sold at 33s. 6d. per cwt., at which there are further buyers.

HONEY.—Over 1,000 packages were offered in public auction yesterday to a very fair company of buyers, and for any lot that could be used for potting there was keen competition. There was a disposition to meet buyers' views in certain directions, and the largest sellers disposed of a good portion of their goods. Jamaica fetched slightly higher prices, San Domingo was steady, and Cuban sold slightly in buyers' favour. The following prices were obtained: *Cuban*: Straw set, 42s. 6d. to 45s. per cwt.; brown liquid, 37s. to 38s.; very dark ditto, 34s.; and some badly fomented sold at 14s. *Demerara*: Two casks of dark amber-coloured liquid sold at 38s. *Jamaica* sold well, smooth creamy set at 48s. to 50s., light straw set 43s. to 47s., light brown setting 40s. to 42s. 6d., and brown set at 38s. to 40s. For *San Domingo*, pale setting, 43s. to 48s. was obtained, light brown setting 40s. to 42s. 6d., and for brown set 38s. to 40s. The sales in Liverpool include 140 casks dark amber *Jamaica* at 42s. 6d. per cwt.

IPPECACUANHA.—Cartagena is dearer at 7s. 6d., and sellers of Rio want 10s. for it.

ISINGLASS.—Small auctions were held on Monday. Bombay sold cheaper, Brazil was easier, and Maranham was on the cheaper track. The next auction will be on January 9.

JUNIPER OIL has followed the fruit, 50s. per lb. being wanted for B.P. oil.

LEMON OIL.—Dearer, 4s. 1½d. to 4s. 4½d. per lb. being wanted on the spot, and 3s. 9d. for oil to arrive.

LIME-JUICE.—An easier tendency prevails, prices being 2s. 9d. to 3s. per gal.

LINSEED is dearer at 110s. to 115s. per quarter for fair to good quality.

MENTHOL.—Reports of sales at dearer rates are made, 14s. per lb. being the price for Kobayashi, but sales have been made at 13s. 6d. by second-hand holders.

MERCURIALS.—Although the higher price of quicksilver justifies an advance in mercurials of 3d. per lb. on the salts, the makers are not for the present advancing any prices, except that of vermillion, which is duly noted.

OPIMUM.—Higher. For 12-per-cent. Turkey 40s. per lb. *net* is wanted, while 10 to 10½ per cent. Persian is selling at 33s. to 34s. or more, the advance being 2s. 6d. to 3s. per lb., and the much reduced stocks justify the advance.

ORTO OF ROSE.—Last week's harder prices remain to the extent that 85s. per oz. is now asked for "genuine Bulgarian."

PEACH-KERNEL OIL.—English pressed oil can be bought at 1s. 1d. per lb.

PHENACETIN.—An exceedingly firm market, even more than last week's quotation being asked for spot stuff (105s. to 110s.), but forward is easier.

POTASSIUM PERMANGANATE.—The market is very firm, the permanganate being almost unobtainable, so that half-a-guinea a pound is scarcely enough to buy it.

QUICKSILVER has advanced by 20s. per bottle, making the price 18l. 15s. to 19l.



**QUININE.**—A very dull market this week. The recent sales for abroad have stopped business, as there is some trouble about getting acceptance of the stuff in the country that it was bought for, hence little business is doing here. The nominal quotation is 2s. 5d. to 2s. 6d.

**SALICYLIC ACID.**—Easier, and 6s. per lb. buys the acid, although higher figures are mentioned for hand-to-mouth buyers.

**SALVARSAN.**—The price in New York fell to \$4.50 per tube last month, as the *Deutschland* was said to have had a ton of it on board!

**SANDALWOOD.**—Further information regarding the Coorg auction confirms our observation of last week that the prices obtained were much higher than were expected by the Mysore Government, which had anticipated 33 per cent. of a rise upon the prices of a year ago, but the auction prices went beyond that advance, and the price cabled for Mysore distilled sandalwood oil is 49s. 6d. per lb. c.i.f., which is about 5s. higher than English distillers ask for their own oil.

**TARTARIC ACID.**—The powder is obtainable at last week's quotation, or at a halfpenny per lb. less, although the Lane quotation is 2s. 6½d. per lb. Crystals are rather better at 2s. 6d.

**TURNERIC.**—For higher dressed fingers 36s. o 37s. 6d. per cwt. is wanted. Splits are unobtainable.

**TURPENTINE** is easier on the whole, and a few pence per lb. less for American oil compared with last week, 49s. being the price for spot oil.

**VANILLIN.**—English makers' price is 28s. per lb., but, as stated last week, there is a disposition in certain quarters to press sales at 27s., rumours having got about that the synthetic article is coming also from the Midlands. In consideration of the conditions under which all synthetic chemicals are at present produced in this country, the rumours require substantiation, and are of doubtful authenticity.

**VERMILION.**—The manufacturers have advanced their price by 2d. per lb. to 5s. 7d. in bags.

#### German Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets up to November 4. It is reported that the difficulties of doing business in chemicals are great because supplies are poor and prices high:

**AGAR-AGAR IN STRIPS** has advanced to m.27 to m.28 per kilo., as to quality, and is almost unobtainable.

**ALMONDS**, both *Sweet* and *Bitter*, are practically unobtainable, a few bags of second-hands offering at from m.13 to m.13.50 per kilo.

**ANISE.**—*Spanish* has been asked for in large quantities, and first sifted for prompt delivery has advanced to m.330 to m.335 per 100 kilos.

**BROMINE PREPS.**—Large quantities have been sold at Convention prices. The manufacturers do not offer bromides at present. The actual quotations are from m.3 to m.3.20 for potassium bromide, according to quantity, from m.3.60 to m.3.90 per kilo. for sodium bromide, and from m.3.90 to m.4.20 per kilo. for ammonium bromide.

**CALCIUM CARBIDE.**—The "Allgemeine Carbid-Verhaufs-Gesellschaft" states that it has been obliged, in consequence of the difficulties in obtaining supplies from Norway, to advance the price by m.2.60 per 100 kilos.; the actual price is from m.51.30 to m.52.

**CARBON DISULPHIDE** has advanced to from m.150 to m.160 per 100 kilos.

**CARBON TETRACHLORIDE** is used in large quantities in hospitals in the place of petroleum ether, which may no longer be used. In retail trade, too, there is a large demand, and makers have advanced the price to from m.190 to m.210 per 100 kilos.

**CARRAGEEN MOSS.**—Imports have taken place, and though the quality is poor, it has been sold at the same prices that have been paid for the best qualities.

**CASSIA FISTULA.**—The stocks have diminished considerably, and new imports are not expected. Prices are much higher, and are expected to advance further. First selected is from m.115 to m.120 per 100 kilos., three-quarters selected from m.100 to m.110, fine natural from m.80 to m.85, and fair natural from m.75 to m.80.

**CEVADILLA** has been in active demand on speculative account, and prices are again advancing. First black is from m.550 to m.560 per 100 kilos., and powdered from m.570 to m.600.

**CINNAMON.**—*Ceylon* has considerably advanced in price of late in consequence of extremely active demand. Dealers report that the article is failing completely. *Cassia*, too, is very scarce, only a few cases of selected bundles offering at from m.670 to m.675 per 100 kilos.

**CITRIC ACID.**—As stocks for prompt delivery are only small and the demand has increased considerably, prices are higher, especially as imports from neutral countries cannot be expected. Lead-free crystals are quoted at from m.15.50 to m.15.75, and c.p. at from m.15.75 to m.16 per kilo.

**CLOVES.**—*Zanzibar* are advancing almost daily, as the stocks are diminishing rapidly. The price in Hamburg market is from m.790 to m.800 per 100 kilos.

**COCAINE HYDROCHLORIDE.**—The advance of the price is not m.80 per kilo. as has been reported before, but m.90 per kilo., so that the price is from m.300 to m.310 per kilo. now.

**COLOCYNTH** has been in rather active demand of late, but prices were so high that nothing has been sold.

**CONDURANGO.**—Stocks have diminished rapidly, as new imports have not taken place, and prices steadily advanced to from m.300 to m.320 per 100 kilos.

**CORIANDER.**—The demand for Morocco, as well as for Thuringian seed is very active, but only small quantities of second-hands are offered at from m.180 to m.190.

**CREAM OF TARTAR** is from m.775 to m.800 per 100 kilos. now.

**ELEMI** is very high, so that many industries have abstained from its use, but other manufacturers are using it as a substitute for other raw material which is not to be had at present, so that the demand remains very active, and prices are advancing, being up to m.11 per kilo now. On October 15 it was m.950 per 100 kilos, on October 22 from m.1,050 to m.1,100 per 100 kilos., already.

**ETHYL ACETATE** is dearer in consequence of the high prices paid for the raw material. The price of duty-paid ethyl acetate has been advanced by m.125 per 100 kilos., that of duty-free by m.70 per 100 kilos. C.p. (0.902 to 0.904) is from m.575 to m.580 per 100 kilos. Ether has been advanced by m.30 per 100 kilos.; 0.720 is m.474.50 per 100 kilos., and 0.722 is m.459.50.

**GALLIC ACID** is higher in consequence of the difficulty in getting raw material; m.15.5 per 10 kilos. is the price, and it goes into immediate consumption.

**GUM (VARNISH).**—*Copal* has been in very active demand, but is only to be had in very small quantities, and prices have become extraordinarily high for sorts soluble in spirit. Hard and half-hard copal is still to be had in sufficiently large quantities. Kauri has readily been sold, though the price is very high. Pontianak is still to be had. Hard and half-hard Manila is only available in very small quantities. Finest pale Demerara has been sold at the same price that is paid for pale American rosin; in normal times the price of this sort of copal is about fifteen times that of American rosin! Congo copal is quiet. Medium and cheap sorts are unobtainable. For pale hard m.5 per kilo. has been asked. Other sorts of African are not offered. Small quantities of *Damar* are still occasionally offered, and for first Padang extremely high prices are asked.

**LEAD PREPS.**—*White lead* is quoted at m.195 per 100 kilos. now, white lead triturated with oil is not obtainable at present; surrogates are made use of. *Red lead* is quoted at from m.155 to m.160 per 100 kilos.

**LIQUORICE JUICE** is in active demand, but it can only be partly filled, and the choice of quality is limited. About m.650 per 100 kilos. is the current price.

**MASTICH** has been in active demand, and is firmer.

**MENTHOL** has been in active demand for speculation at from m.65 to m.70 per kilo.

**MERCURIALS.**—*Cinnabar* is much higher (m.14 per kilo.) in consequence of the considerable advance of the price of the raw material.

**MILK-PRODUCTS.**—The production of milk-powder in Holland is decreasing; the prices of powder from skimmed milk vary from fl.105 to fl.107 per 100 kilos., and of powder of whole milk from fl.150 to fl.155. The production of condensed milk remains below the normal owing to the sugar shortage. *Cascia* for technical purposes is in active demand, but the Dutch production is still rather neglected; the nominal value is about fl.2.50 per kilo.

**OILS (ESSENTIAL).**—*Anise, rectified:* Genuine Russian fails completely. German oil is higher in consequence of active demand and diminishing stocks, and for rectified German oil from m.28 to m.30 per kilo., according to quality, must be paid. *Anise, Star*, meets with renewed interest at m.22. *First Reggio Bergamot* is considerably higher, as the importation has completely ceased. *Caraway* is still quoted at m.35. *Cassia* is m.20. *Eucalyptus:* New imports have recently taken place; 75 to 80 per cent. is from m.18 to m.20 per kilo. *Ceylon Lemongrass* is quoted at m.9. *Patchouli* is in good demand at m.90. *Japanese mint* is higher at m.35 per kilo. *Siberian pine-needle* is quoted at m.9.

**OILS (FIXED) AND FATS.**—The production of *Tallow* in Germany is very limited; the maximum price for refined



for food-purposes is m.300, technical tallow m.260, fatty acids of tallow m.235, premier-jus m.330, and oleo-margarine m.330 per 100 kilos.

OLIBANUM has not been sold of late, as much too high prices are asked for it.

OPUM has not been active for a lengthy period. As large quantities are available it was generally expected that the prices would decline; on the contrary, they have advanced. Codeine and morphine have also advanced in price. Codeine has advanced by m.40 per kilo., and is from m.790 to m.795 per kilo., while codeine hydrochlor. is m.720 to m.725, and codeine phosphate m.670 to m.675. Morphine has advanced by m.30 per kilo., and hydrochloride is now m.565 to m.580 per kilo.

OXALIC ACID AND SALTS have been again advanced by m.10 per 100 kilos. It is very difficult to meet the demand, and new contracts are not being made. Crystals are m.102.50; potassium binoxalate is m.125; potassium oxalate is m.125.

OZOKERITE is almost unobtainable; so far as it can be obtained, from m.525 to m.540 per 100 kilos. is quoted for refined yellow.

PEPPERMINT.—The 1916 crop has been very unsatisfactory. Only the first distillations were good quality; the greater part has suffered from the wet weather. Prices are 30 per cent. higher than in 1915.

PEPPERS.—White and Black are much dearer. From m.23.50 to m.23.75 per kilo. has been paid for white washed Mun-tok; from m.23 to m.23.25 for black Singapore and genuine Tellicherry.

PEPTONE.—Advanced to from m.16 to m.18 per kilo. The existing stocks will not last much longer.

PILOCARPINE.—Sulphate has been advanced by manufacturers to m.80 per 100 grams.

POTASSIUM BICARB. is in very active demand, especially for the preparation of foodstuffs.

POTASSIUM PERMANGANATE is firmer again, which is due to the advance of the prices of the raw material and to the increase of the quantities asked. Quite recently the second-hands' stocks have been exhausted, so that at present the product must be bought directly from the manufacturers.

QUICKSILVER has advanced to m.550 and more per bottle. Corrosive sublimate is m.14, calomel m.15 and more per kilo.

QUILLARIA is becoming extremely scarce, as the quantities used are increasing steadily owing to scarcity of soap, and there is a lack of imports consequent upon English restrictions. Cut is m.525 per 100 kilos.

RESORCIN has advanced by about m.3 per kilo.

SABADILLA has been sold in considerable quantities at advanced prices—viz., m.550 per 100 kilos.

SALICYLATES.—From September 27 the German makers again advanced the prices by m.50 per 100 kilos. Salicylic-acid powder is m.4.20 per kilo., pure crystals m.4.60, powdered sodium salicylate is m.4.80, and pure crystals m.5.20.

SENEGAL is firmer in consequence of increased demand. The price is from m.17.50 to m.18 per kilo. It can be imported in small quantities at present, but these quantities are not considerable enough to bring about a decrease of the price.

SHELLAC has suddenly advanced in price, this being due principally to speculation. In the market only very small quantities are to be had, and speculators are not very desirous to sell, as they hope to obtain higher prices still. There is practically no difference between the quotations for TN and lemony sorts at present; bleached is very scarce. Garnet has been in active demand for immediate use; A.C. is quite cleared, however. Small quantities of German Garnet are still offered at steadily advancing prices. Sticklac is quite cleared.

SODIUM BICARB.—The German Syndicate has left prices unchanged during the last three months, but only infinitesimal quantities can be bought by regular customers.

SODIUM SILICATE is in active demand for the preservation of eggs.

SPIRIT AND SPIRITUOUS PREPARATIONS are higher. The "Spiritus-Zentrale" has advanced the price of spirit by m.80 per 100 litres, and consequently the price of all spirituous preparations has advanced. The price of ether has advanced by m.30, of collodium by m.20 per 100 kilos.

TALC is in active demand for the preparation of "war-soap."

TANNALBIN has advanced by 50 per cent., owing to the high prices of tannin and albumen.

TARTARIC ACID is firmer again, as the demand is increasing and the stocks are only small. Lead-free crystals are from m.12 to m.12.25 per kilo.

THYMOL is not obtainable under m.80 per kilo.

UVA-URSI LEAVES are in active demand. Some parcels

have been imported from foreign countries, in consequence of which prices are 30 per cent. lower.

VANILLIN is very firm at from m.122 to m.125 per kilo.

## Produce Notes.

### Montserrat Papain.

THE "Agricultural News" of Barbados reports that the papain exported from Montserrat in 1914 amounted to 2,443 lb., valued at 1,269*l*. Several estate-owners in Montserrat have become interested, and the extent of the area now being planted with papaws ought appreciably to affect the exports in the course of a year or two. Exports of papain touched 2,000*l*. in value in 1903, but in 1908 dropped to 483*l*. Until recently there do not appear to have been any regular plantations of papaws, the bulk of the drug being obtained from isolated trees or clumps of trees cultivated by peasants.

### Sudan Colocynth-pulp.

Before the war colocynth was principally shipped from Syria, but considerable quantities have been exported recently from the Sudan. Early in the present year a sample of the Sudan product was received at the Imperial Institute for examination. It consisted of pulp free from seeds and in good condition, but slightly brown in parts and containing some yellowish dust. It was submitted to two firms of merchants in London. One firm considered the sample to be very satisfactory, except for the slight colouration referred to, and stated that there is a good market for pulp in fairly large quantities. The second firm also described the sample as of good quality, but added that if the fine dust were removed it would be still better. They valued it at about 1*s*. 5*d*. per lb. c.i.f. London. They further stated that they had purchased several tons of colocynth pulp from the Sudan at as much as 1*s*. 6*d*. per lb., the pulp in question being of extra fine quality, free from dust and discoloured portions.

### Montserrat Oil of Bay.

In the Annual Report of the Curator of the Botanic Station at Montserrat some interesting information is given on the investigations and general cultivation of the bay-tree (*Laurus nobilis*) and the production of bay oil. From this report it appears that an experimental plot of one acre was planted with bay-trees at distances of 9 ft. by 9 ft. apart in June 1908. The reaping of the leaves began in January 1911, when the yield of oil was approximately 14 lb., in 1912 19 lb., in 1913 23½ lb., and in 1914 39 lb. There has been a steady improvement in the percentage of oil obtained, which in 1912 was 16.7, in 1913 18.3, and in 1914 19.5 oz. per 100 lb. of leaves as reaped, on an average of twelve monthly distillations. During the reaping of the leaves in 1914 more care was exercised in the method of collecting for distillation, all the leaves being mature. This would appear to account for the increase in the percentage of oil. The monthly distillations have been continued primarily to decide if the leaves at any particular season yielded a better percentage, or an oil of better quality, and the results obtained in 1914, compared with similar data for the previous two years, show that no definite period of the year is indicated as being desirable for harvesting; for while the reappings in the early part of 1914 were better on the average, both in yield and quality of oil, the results for 1912 and 1913 showed the best returns to be in the months of June and July. The report concludes with the following general remarks: "A matter of some concern is that the quality of the oil on the average has declined, and, taking specific gravity and phenol-content as the two important features of bay oil, the average of the distillation for three years is as follows: Specific gravity 1912, 0.9484; 1913, 0.9460; 1914, 0.9342; phenol-content for 1912, 55.5; 1913, 56.2; 1914, 50.5 It was anticipated that from cultivated areas of bay-trees, and particularly where these are grown in bush form, which enables discrimination to be made in regard to the maturity of the leaves collected for distillation, one of the principal advantages would be the production of an oil of better quality than from uncultivated trees, which is not borne out as a result of this year's experiments, so that the work of the future will be chiefly concerned in deciding what conditions influence the quality of oil. On the question whether bay oil deteriorates on keeping, tests made by Dr. Tempany show that there is no change in the phenol-content of the oil on a sample kept for two and a-half years, but that there is a slight rise in the specific gravity, due, it is explained, to the polymerisation of the hydrocarbon myrcene, which forms an important constituent of bay oil."





Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Making Galenicals.

SIR,—In your issue of November 25, "Hugo," under the heading "Things Worth Knowing," says: "Compound powders, such as pulv. rhei co. and pulv. glycyrrhizæ co., may be quickly made by placing all the ingredients in an empty castor-oil or similar tin, then shaking well and passing through a fine sieve." If this method be adopted, it appears to me that the steps are in the wrong order. In "passing through a fine sieve" a mixture in powder invariably separates in order of the degree of fineness of the ingredients, and when the whole has passed through, the heap below the sieve is anything but a uniform mixture. Using a "castor-oil or similar tin" it would conduce to a more uniform mixture if shaken *after* sifting. The process suggested for the preparation of glycer. acid. tannic., etc., of leaving glycerin in a "wide vessel, such as a soup-plate," overnight, is not one calculated to retain the original sp. gr. of the glycerin. If a soup-plate full of glycer. acid. tannic., of glycer. boracis, or of glycer. acid. carbol. is sufficient for one's trade, why trouble to make so small a quantity? Surely it would be better business to buy.

Yours faithfully,

Oldham. C. GRANVILLE WOOD.

#### Minimum Prices for Developing and Printing.

SIR,—I am instructed by my Executive Committee to give publicity to the following minimum prices for developing and printing, which have been agreed upon by photographic dealers throughout the British Isles, and which came into operation at the beginning of November:

|                                      | Developing<br>per doz. | Printing<br>per doz. |
|--------------------------------------|------------------------|----------------------|
| No. 1 Brownie, V.P.K., etc. ...      | s. d. 1 0              | s. d. 1 3            |
| No. 2 Brownie, 3½ by 2½ ...          | 1 0                    | 1 6                  |
| Nos. 1a and 3 F.P.K., or ¼-pl. ...   | 1 6                    | 2 0                  |
| No. 3a F.P.K. or P.C. and 5 by 4 ... | 2 0                    | 2 6                  |

(Spools of 6 and 8 exposures to be charged *pro rata*.)

As many of your readers are interested in this branch of photographic work, it is important that they should know of this arrangement, but it is, of course, an understood thing that there is no obligation to reduce prices to this level where better prices are being obtained.

Yours faithfully,

For the Photographic Dealers' Association,

M. A. UMBERS, Secretary.

Sicilian House, Southampton Row, W.C.

#### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

#### The Manufacture of Buckram.

Reserring to a reply in the *C. & D.*, October 14, p. 52, as to the stiffening agent used in the manufacture of buckram, *Double-you* (19/91) states that Indian corn starch is used for this purpose. The origin of Brown & Polson's firm in the early 'fifties was the need for a factory to make Indian corn starch needed by buckram-manufacturers.

#### Advertising in the "C. & D." Supplement.

J. S. (132/57) informs us that when he quotes *C. & D.* adverts with the page he gets prompt replies. While on this subject he suggests that those who advertise situations open should mention in their advertisement an approximate salary, and assistants who want situations should do the same, so that employers may have an idea before writing to them of what they want.

#### An Analytical Hint.

"In the removal of ammonium salts from potassium and sodium salts in the final stage of the analysis of complex mixtures, unless a fume-chamber with a good exit draught is available, the fumes are very objectionable. To diminish this, if a circular piece of bibulous paper is put over the

capsule and the heating conducted slowly and carefully, much of the ammonium salt condenses and collects on the filter-paper, the fumes spreading less rapidly."—*Abel Scholar*.

#### Straw-hat Dyes: Patchy Drying.

"It is quite common to receive complaints from users of straw-hat dyes that the dye dries patchy. It will invariably be found, however, that the user is to blame. The dye should be used from the bottle, and not poured into a shallow vessel, such as a saucer, which offers a big surface for evaporation of the easily volatile medium. Naturally the dye when used in the latter manner gradually gets thicker in consistency and darker in colour as the process of painting goes on. It is not always possible to spend the necessary time to warn buyers of this; but it would be an easy matter for makers of these goods to advise purchasers of the correct method of using the dyes, either on the paper of instructions wrapped round the bottle or perhaps, better still, to print the necessary warning on the cartons. Users blame the dye, and do not think of their own faulty methods."—*C. W. Kemsey-Bourne* (West Bromwich).

#### Appreciations.

"I always find you a friend in need," writes *Ph.C.* (127/23).

"I have pleasure in enclosing cheque 12s. 6d., renewal subscription for your invaluable journal."—(21/24).

"In enclosing my cheque for 12s. 6d., I just wish to say how indispensable I find the *C. & D.* My spare time is very limited, and I find in it just the information I want and in such a form that I can get at it with the least expenditure of time."—(21/28).

"Enclosed 12s. 6d., being my subscription for another twelve months. By the help of the *C. & D.* I might say that I have made the above several times over during the past year, and have always found your paper instructive and interesting, profitable and pleasing."—(16/1).

"I would rather do without my 'Sunday off' than miss a copy of your invaluable journal. . . . I have all your books with the exception of 'Opening a Pharmacy,' and they are indispensable, especially out here, where we have none of the advantages of the home chemist, who when in difficulty rings up the *C. & D.* Long may you flourish." So wrote *A Demerara Subscriber* (230/6).

"Twenty years ago my apprenticeship-master gave me a piece of advice. He said, 'If ever you don't know a formula or want trustworthy information on any matter connected with the drug-trade, write to the Editor of THE CHEMIST AND DRUGGIST. He has forgotten more regarding the things a chemist is supposed to know than many of us ever knew!' He was right. I have got a great deal of information through your paper without asking for it, as others seem to ask the very things I want to know."—*J. F.* (44/26).

*A Firm in the North* (95/17) thanks us "for kind and prompt attention in the past," and sends two quatrains with a cheque for renewal of subscription, viz.:

THE CHEMIST AND DRUGGIST comes to us an old friend once a week,

And lead and inspiration from it ne'er in vain we seek.

Be it literary, legal, or on trade that you advise,

There is equal satisfaction that brings with it new surprise.

You will find enclosed a cheque of value only twelve-and-six,

And also thanks for help in many an awkward business fix. As you have saved so much for us in moneys, time, and trouble,

Your journal would be cheap even if the subscription rate were double.

*A Leeds Subscriber* (7/10) writes: "I have enclosed my annual subscription to the *C. & D.* as usual, so I am now looking forward for my Christmas gift, the *C. & D. Diary*. Chemists, like everybody else, appreciate a Christmas gift, in the form of a *useful* article, and that is just why I appreciate the *C. & D. Diary*. So, in looking forward to Christmas, I look forward for something else, and receive a good reminder every Friday in the shape of the *C. & D.* itself. Wishing the *C. & D.* every success in 1917."

#### Legal Queries.

*Disgusted* (21/19).—Laudanum is now in Part I. of the Poisons Schedule, and each sale by retail must be entered in the poisons-book. As the mixtures of laudanum with peppermint, aniseed, and paregoric contain less than 0.75 per cent. of morphine they are Part II. poisons.

*M. P. S.* (8/24).—There is nothing on the label of your pills that definitely makes them liable to medicine stamp-duty as there is no statement on the label regarding human ailments. In any case you, as a chemist, are entitled to sell without stamp-duty medicines the composition of which is declared, and the title of your pills is such a disclosure.

*Salol* (144/29).—(1) It is illegal to apply the word "Port" to British wines even although you describe it as "Fine British Port," see *C. & D.*, November 11, p. 48. (2) You cannot use industrial methylated spirit in the preparation of bay rum without permission of the Board of Customs and Excise. This is particularly necessary in your case, as you are licensed to retail methylated spirit, and no retailer is permitted to receive and use industrial spirit for manufacturing purposes unless with the express sanction of the Board.

*K. M. S.* (141/11).—When a new British Pharmacopœia is published a "Gazette" notice makes it the legal authority, displacing previous Pharmacopœias. If you sold tincture of nuxvomica made according to B.P. 1898 instead of B.P. 1914 without informing the purchaser of the fact, there is a *prima facie* case against you. If you turn up the *C. & D. Diary*, 1916, p. 357, you will find some useful information in regard to the Sale of Food and Drugs Acts and defences. You should be guided by a solicitor in the matter of the cases against you.

*X. Y. Z.* (137/24) engaged a nurse to attend a maternity case. The confinement did not take place until three weeks after the date anticipated, and when the nurse arrived she refused to give her services (although "X. Y. Z." expressed willingness to accept them), saying that she had arranged to attend another case. The nurse has now sued "X. Y. Z." for damages for breach of contract; do we advise him to resist the proceedings? [If the nurse was merely engaged in connection with the confinement, and not from any definite date, we do not consider that she is entitled to any damages. Even if she was engaged as from a specified date, she has, in our opinion, by her conduct, disintitiled herself to damages, but we understand that maternity-nurse cases of this kind have occasionally been settled, and sometimes by compromise. We do not know of any Court cases which "X. Y. Z." could adduce in support of his defence.]

*Equitas* (138/39) informs us that in his town two chemists open in the evening of the early-closing day for an hour, and he wants to know if that is legal. Our correspondent is of opinion that it is now illegal for a chemist to re-open for any time on the closing day even if necessities only are sold. [The Home Secretary's Closing Order is supplementary to the Shops Act conditions, and requires that all shops shall be closed not later than eight o'clock each evening except Saturday, when nine o'clock is the closing hour. The half-day closing conditions continue, but obviously it is within the rights of persons who are allowed to sell exempted goods to keep open in respect to them not later than eight o'clock, so that chemists and druggists may keep open on the early-closing day for the sale of medicines and medical and surgical appliances up to eight o'clock. Shops Act conditions being observed, including the exposure of a card in the window and one in the shop notifying that the shop is open solely for the sale of medicines or other exempted goods. At eight o'clock the shop must be closed and darkened, as on other evenings, and may only be opened to serve customers for medicines or other exempted goods.]

## Miscellaneous Inquiries.

*J. W.* (142/35).—It is quite legal to supply a cough-mixture containing glycer. ipecac. B.P.C., squill, and other ingredients. The Ministry of Munitions Memorandum does not limit sales to, e.g., glycer. ipecac. *per se*.

*H. A. G.* (142/66).—BALSAM OF SULPHUR.—Boil 6 parts of linseed oil with 1 part of purified sulphur at a temperature of 120°-130° C., constantly stirring, until they are thoroughly mixed.

*A. J. O.* (142/64).—BOOKS ON DOMESTIC MEDICINE.—Grimshaw's "The People's Medical Guide" (Churchill, 8s. 6d.); Walter's "The Home Doctor" (Sonnenschein, 2s. 6d.); Kesteven's "Home Doctoring" (Warne, 1s.).

*Flintshire* (Cape Colony) (128/32).—CASCARA AND PARAFIN.—The nearest we can get to this is that cascara sagrada extract has been added to a non-medicated petroleum emulsion. The method of making the emulsion should be on the lines indicated in "Pharmaceutical Formulas."

*W. D. S. L.* (137/19).—(1) We do not know the composition of the cement to which you refer. If it is of the liquid-glue type you will find some representative recipes in "Pharmaceutical Formulas." (2) Information regarding the MANUFACTURE OF DOPES is given in the *C. & D.*, January 29, 1916, p. 181, but you will probably find a difficulty at present in obtaining the ingredients.

*Jap* (83/12).—POULTRY TONIC SPICE.—The basis of this we believe to be ground locust-beans. The flavouring spices are anise and grains of paradise. The only other ingredients which we can find are a trace of iron sulphate and liquorice.

*Shampoo* (125/30).—DRY-SHAMPOO LIQUID WITH SOAP BASIS.—See *C. & D.*, June 24, 1915, p. 124.

*B. B.* (125/26).—The mixture of vegetable ingredients in a liquid preparation would soon ferment; the addition of a sufficiency of spirit of chloroform would prevent this.

*R. E. C.* (271/32).—SOLIDIFIED EAU DE COLOGNE.—This is managed by forming a soap in the eau de Cologne by heating the spirit in a closed vessel, with proper precautions, for about an hour, after having added stearin and sodium carbonate. The proportions which you should try are spirit 95 parts, stearin 4.5 parts, sodium carbonate 0.5 part. This may possibly give a product which is too stiff, in which case the proportion of spirit will need increasing.

*Squills* (138/43).—VANISHING CREAM.—Formulas for the casein type were given in the *C. & D.*, August 28, 1915, p. 60; for the stearate variety, in the same issue, p. 70.

*Bodilon* (130/52).—We do not consider it advisable to give potassium iodide in BRONCHITIS-MIXTURES for children, or even for adults generally. A 3 to 5 gr. dose of ammonium bromide would be quite as serviceable. It would be possible to concentrate your mixture so as to make it a 1-to-3 preparation, chloroform-water being the diluent. You will find many better formulas in "Pharmaceutical Formulas" and in *C. & D. Diaries*.

*T. A. J.* (27/10).—RECOVERY OF IRON SULPHATE FROM TIN PICKLING BATH.—We have not been able to carry the matter any further than the method we referred to in our letter to you. It seems as though it would be better to complete the saturation of the sulphuric-acid solution with iron by adding scrap iron and warming the acid. The liquid is then allowed to settle, poured off, and crystallisation induced by suspending in the liquid strings, straws, or laths.

*W. M. B.* (131/27).—(1) NEURALGIA-MIXTURE, "P.F. 52":

|                 |     |     |     |            |
|-----------------|-----|-----|-----|------------|
| Quin. sulph.    | ... | ... | ... | 5vj.       |
| Ac. sulph. dil. | ... | ... | ... | 5iij.      |
| Sp. chlorof.    | ... | ... | ... | 3j.        |
| Tr. cocci       | ... | ... | ... | 3j.        |
| Aquam ad        | ... | ... | ... | Cong. iss. |

Misce. Dose: 5j. every three hours.

(2) We cannot find a suitable registered formula for cold and influenza mixture containing the ingredients you mention. We suggest that you devise one and send it for registration before the 1918 *Diary* is published.

*E. F. W.* (142/70).—Tonic TABLETS.—The formula given under the reference number you send is as follows:

|                             |     |     |     |          |
|-----------------------------|-----|-----|-----|----------|
| Hæmoglobin                  | ... | ... | ... | gr. j.   |
| Aloin                       | ... | ... | ... | gr. ʒss. |
| Capsicin                    | ... | ... | ... | gr. ʒss. |
| Iron subcarbonate           | ... | ... | ... | gr. iss. |
| Powdered extract of gentian | ... | ... | ... | gr. ʒ    |
| Iron phosphate              | ... | ... | ... | gr. ʒ    |

You will notice that this does not conform with the statement on the label you send that the preparation contains "red bone-marrow, lecithin (egg-yolk), and hæmoglobin (red blood-corpuscles) in accurate proportion."

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Dec. 15, 1866.

### Synthetic Aromatics.

A lecture by Dr. F. Crace Calvert on "The Artificial Production of Aromatic Substances," delivered by him at the Society of Arts, was published in full. The lecture dealt with the odour obtained from *Spiræa Ulmaria*, showing its relation to salicin and describing how methyl salicylate can be prepared artificially, and how essence of wintergreen is distilled in the United States. Valerianic acid was also described, both the natural and artificial compounds being dealt with. Statements were also made in regard to the preparation of artificial camphor.



CHEMISTS SHOULD STOCK

# "Condy's Crystals"

(NO POTASH.—ALL-BRITISH).

Being **CONDY'S FLUID**, desiccated.

Condy's Crystals are put up in bottles to retail at 1/- each.

They are Stocked by all the leading Wholesale Houses.

Condy's Crystals are Used at the Front, by Travellers, and by all who would avoid carrying liquids.

Proprietors : **CONDY & MITCHELL, Ltd.,**

**Condy's Fluid Works, 65 Goswell Road, London, E.C.**

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We solicit the co-operation of all Chemists in pushing the sale of the popular 1/3 boxes in preference to breaking bulk.

THE PRICE IS :

1/3 tins, enlarged size (min. retail 1/3), **12/-** dozen.

Net one month in Patent account.

In £5 lots, 5 per cent. discount allowed.

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**X** There must be an enormously increased demand as a result of our very largely increased expenditure on advertising, so that Retailers should carry a larger stock than usual. **X**

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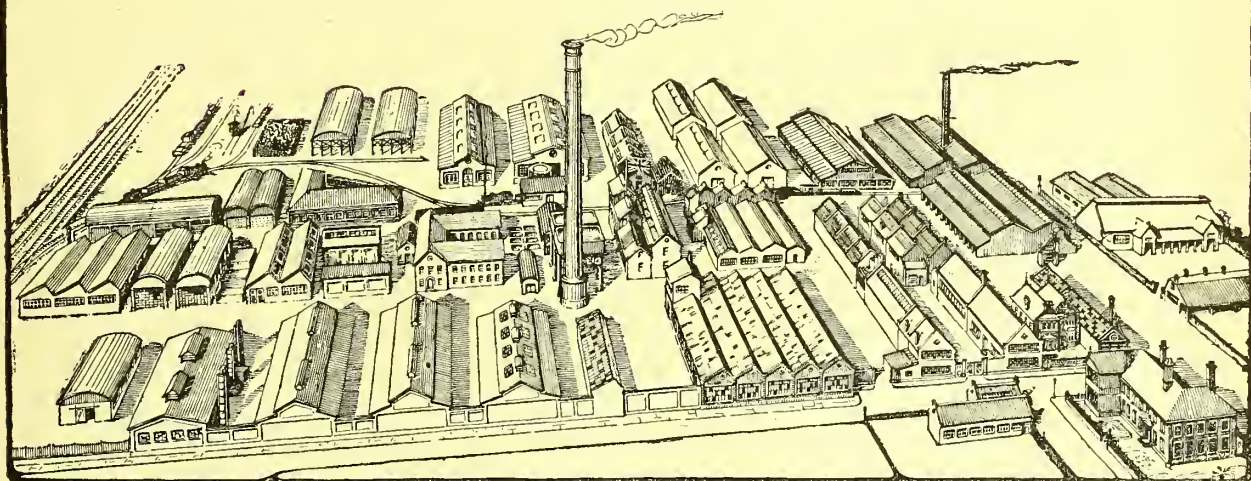
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**ACID ACETYLSALICYLIC P.B.**  
**(ASPIRIN)**

5-GRAIN TABLETS.

MANUFACTURED WITH THEIR OWN  
SUPERFINE SALICYLIC ACID P.B.

PHARMACISTS SHOULD NOTE THAT BY SPECIFYING "HOWARDS,"  
THEY OBTAIN A P.B. TABLET OF THE FINEST POSSIBLE GRADE.



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# S. TOLKOWSKY,

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(London Representative of I. L. Goldberg, Russia.)

## INQUIRIES SOLICITED FOR Russian Crude Drugs.

Wormseed (Semen Contra)  
Hyoscyamus Leaves  
Herba Rorellæ (Sundew Herb)  
Lycopodium  
Aniseed  
Ergot of Rye  
Liquorice Root

Carbonate of Potash  
Calamus Root  
Boletus Cervinus  
Gum Galbanum  
" Ammoniac  
" Tragacanth  
Frangula Bark

Cantharides  
Salianski Isinglass  
Blood Albumine  
Musk Cabardine  
Coriander Oil  
Anise Oil

Flores Cyanæ (Cornflowers)

Soap Root

STOCKS IN LONDON.

GOLD MEDALS :  
Paris, 1889 and 1900.  
GRAND PRIX :  
Turin, 1911.

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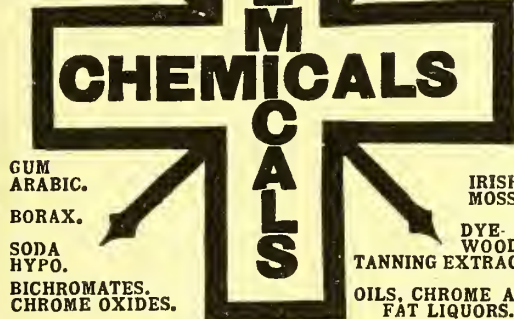
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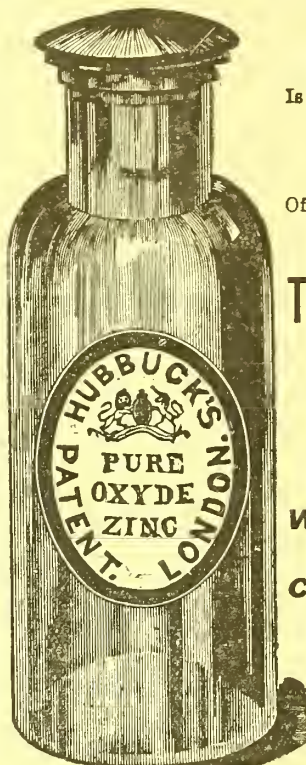
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**Parasitum Durum**, B.P., 2 cwt. @ 6d. lb.; 1 cwt. @ 7d. lb.; 56 lbs. @ 7½d. lb.; 7 lbs. @ 8½d. lb.; **Molle Flav.**, B.P., 3½ cwt. @ 37/6 cwt.; 1 cwt. @ 44/- cwt.; 28 lbs. @ 5½d. lb.; 7 lbs. @ 6d. lb.; **Alb. B.P.**, 3½ cwt. @ 72/- cwt.; 28 lbs. @ 9½d. lb.  
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**Pepsin**, B.P., 1 lb. @ 12/- lb.  
**Phenacetin**, P.B., pulv., 1 lb. @ 120/- lb.  
**Phenazone**, P.B., 1 lb. @ 45/- lb.  
**Phenolphthalein**, 1 lb. @ 97/6 lb.  
**Pix**, Burgund., **Druggists**, 1½ cwt. @ 38/- cwt.; 7 lbs. @ 6d. lb.  
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**Pulv. Glycyrrh.**, Co. B.P. (Green), English Ground, 56 lbs. @ 88/- cwt.  
**Pulv. Ipecac. Comp.**, P.B., 1 lb. @ 7/- lb.  
 „ **Jalap Comp.**, P.B., 1 lb. @ 2/4 lb.  
 „ **Rhel Comp.**, P.B., 1 lb. @ 2/- lb.

**Quassia Chips**, 1 cwt. @ 40/- cwt.; 28 lbs. @ 5d. lb.  
**Quinine Bisulph.**, 10 oz. @ 4/3 oz.  
**Quinine Ethyl Carb.** (Tasteless), 10 oz. @ 4/3 oz.  
**Quinine Hydrobromas**, B.P., 25 oz. @ 3/9 oz.; 10 oz. @ 3/10 oz.  
**Quinine Hydrochlor.**, B.P., 25 oz. @ 3/6 oz.; 10 oz. @ 3/7 oz.  
**Quinine Sulph.**, B.P., 100 oz. @ 2/11 oz.; 25 oz. @ 3/1 oz.; 10 oz. @ 3/2 oz.

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**Rad. Ipecac. Rio.**, 1 lb. @ 11/- lb.  
**Rad. Jalap**, English Ground, 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/5 lb.  
**Rad. Rhel. B.I.**, English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.  
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**Resorcin**, B.P., 1 lb. @ 1/- lb.

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**Salicinum**, B.P., 1 lb. @ 22/6 lb.  
**Salol**, B.P., 1 lb. @ 15/6 lb.  
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**Soda Cit.**, B.P., 3 lbs. @ 3/4 lb.  
**Soda Sulphite**, Recryst., 1 cwt. @ 25/6 cwt.; 7 lbs. @ 4d. lb.  
**Soda Sulphocarbolas**, B.P., 7 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.  
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**Soda Hyposulphite**, pea cryst., 1 cwt. @ 21/- cwt.  
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**Sodil Salicyl. Pulv.**, 2 lbs. @ 9/6 lb.  
**\*Spt. Aether Nit.**, P.B., 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/10 lb.  
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**Strontias Bromid.**, 1 lb. @ 10/6 lb.  
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 „ „ **Scillae**, P.B., 7 lbs. @ 7½d. lb.  
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**\*Tinct. Camph. Comp.**, P.B., 5 lbs. @ 3/1 lb.; **Aquos**, 1/3 lb.  
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**\*Tinct. Myrrha**, B.P., 5 lbs. @ 4/7 lb.  
**\*Tinct. Nucis Vom.**, B.P., 5 lbs. @ 3/8 lb.; **Aquos**, 1/4 lb.  
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**\*Tinct. Opil Aquos.**, 5 lbs. @ 4/4 lb.  
**\*Tinct. Quinine Amm.**, B.P., 5 lbs. @ 3/4 lb.  
**\*Tinct. Rhei Co.**, B.P., 5 lbs. @ 2/5½ lb.; **Aquos**, 1/1 lb.  
**\*Tinct. Scillae**, B.P., 5 lbs. @ 2/11 lb.; **Aquos**, 11d. lb.  
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 „ **Gallae**, P.B., 7 lbs. @ 1/6½ lb.; 1 lb. @ 1/9 lb.; c. Oplo, 7 lbs. @ 4/6 lb.  
 „ **Hydragryl**, B.P., 28 lbs. @ 2/11 lb.; 7 lbs. @ 3/1 lb.  
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 „ **Hyd. Nit. Dil.**, 7 lbs. @ 1/8 lb.  
 „ **Paraff. Alb.**, P.B., 28 lbs. @ 9d. lb.; 7 lbs. @ 10c. lb.; 1 lb. @ 1/- lb.; **Flav.** 28 lbs. @ 6½d. lb.; 7 lbs. @ 8d. lb.  
 „ **Resina**, P.B., 28 lbs. @ 1/3 lb.; 7 lbs. @ 1/4 lb.  
 „ **Sulphuris**, B.P., 28 lbs. @ 1/2½d. lb.; 7 lbs. @ 1/3½ lb.  
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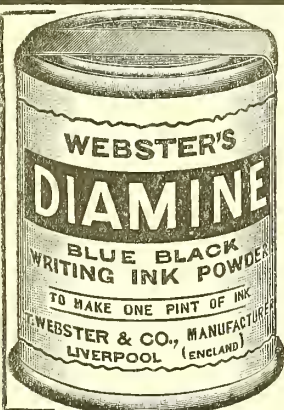
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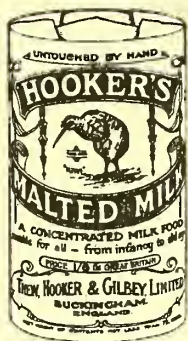
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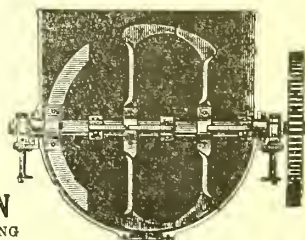
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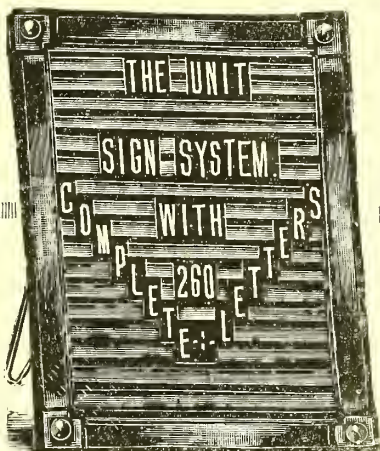
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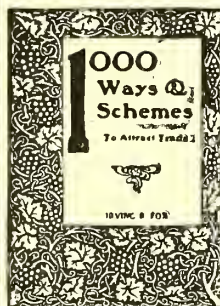
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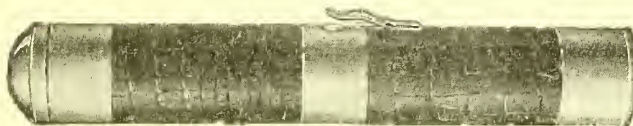
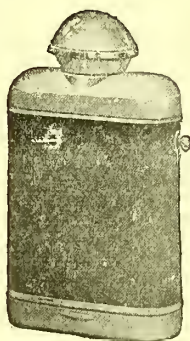
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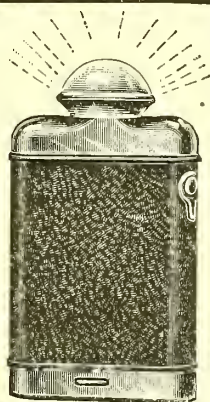
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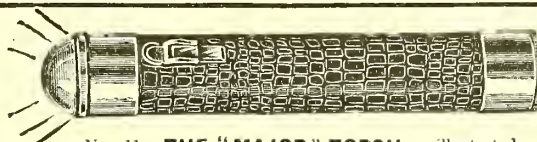
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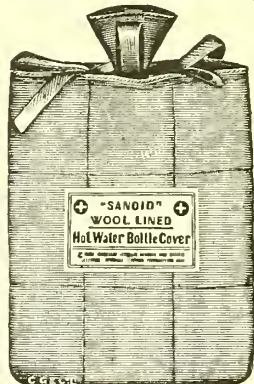
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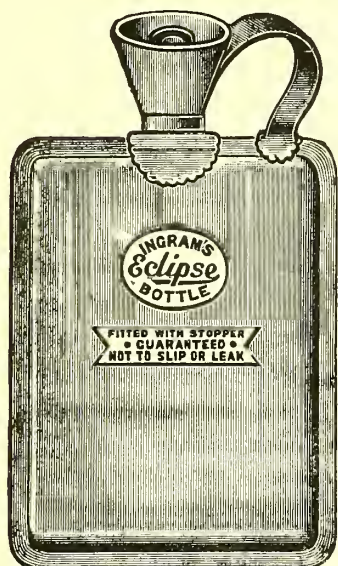
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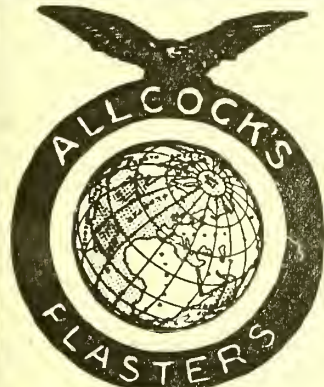
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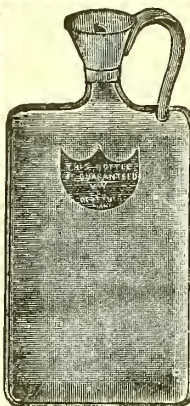


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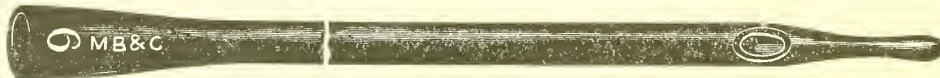
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**Anthemis Nobilis Mentha Piperita**  
&c. &c.

PRICES ACCORDING TO QUANTITY.

GOOD FACILITIES FOR DRYING.

**PUPILS RECEIVED FOR TRAINING IN HERB CULTURE.***For particulars apply to***Mrs. M. GRIEVE, F.R.H.S.,**Vegetable Drug Plant Farm and School of Herb Culture,  
**CHALFONT ST. PETER, BUCKS.****CRUTCHES***(French Pattern).***LONDON MADE  
ALL SIZES.**

**N**OW that the im-  
portation of these  
Crutches is prohibited, we  
have put down special  
plant for their manufac-  
ture, and shall be pleased  
to quote prices and terms.

*Send us your inquiries  
at once.***WHOLESALE & EXPORT ONLY****S. MURRAY & CO.,**21, 22, 23 CHARLES ST. HATTON GARDEN,  
LONDON, E.C.

Telephone HOLBORN 1699.

WE OFFER FROM STOCK,  
SUBJECT TO BEING UNSOLD:**"ALL-GLASS"  
HYPO-SYRINGES**in hinged-lid N/P cases,  
with 2 Needles.

20 m. 1 c.c. 5 c.c. 10 c.c. sizes.

And for delivery within 14 days,

**"ALL-GLASS"  
HYPO-SYRINGES**

In loose-lid N/P metal boxes.

20 m. 1 c.c. 2 c.c. 5 c.c. 20 c.c. sizes.

**"ALL-GLASS" SYRINGES** are  
most carefully packed and sent at  
buyers' risk, samples only against  
payment.*Prices on Application.***"RECORD"  
HYPO-SYRINGES**Entire output till middle of December  
required for H.M. War Office.**HYPO - NEEDLES**

All sizes and all mounts.

**PLAT. IRIDIUM NEEDLES  
FROM STOCK.**

Have you seen our new

**ADJUSTABLE  
CRUTCH****One size only. 21/- Sample Pair.**We are wanting Sole Agents for these Crutches  
in every town in the U.K. and Colonies.**WILFRED TURNER & CO., Ltd.**  
30 CRAVEN STREET, STRAND, W.C.

**FREDK. FINK & CO.,**

10 &amp; 11 MINCING LANE, LONDON, E.C.

**SPECIALITIES.**—Gums Arabic and Tragacanth as imported or finely powdered.**SHADEINE**

FOR COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.

**TRIAL BOTTLES** 6d. size, supplied on pretty showcards.  
4/6 doz.; 1/- size, 10/- doz.; 3/6 size, 30/- doz.**THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.****CACHETS "FINOT"**

(White or Coloured).

With Inscriptions in any desired tint; also Plain or Embossed.

"Beautifully made, and the inscriptions give them a distinction all their own."—*C. & D.*"Perfection of Cachets."—*Lancet.*

These Cachets are especially adapted for Headache, Neuralgia and other powders.

**COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.**

In 17 Sizes, to fit the various types of Cachet Machines.

British-made

**ANILINE DYES**

FOR FOOD STUFFS, ETC.

Lowest Prices for Egg Yellow, etc.

**J. & T. HOYLE & CO.,**

312 Deansgate, Manchester.

**SHAVING STICKS**

6d. "THE FLAG," Cartoned, 3/- doz., 33/- gross.

6d. "CREAM OF ROSES," Decorated Tin in four colours, Rose design on Cream ground, 4/2 doz., 48/- gross.

1/- ALUMINIUM HOLDER, 7/6 doz. and bonus 2.

Sample of each for stamps 1/3.

**E. A. STOKES & CO. Ltd., 31/35 Lower Castle Street, BRISTOL.****DISINFECTANTS**

OF ALL KINDS

Cheapest Makers of Co-efficient Acids and Fluids.

**HENRY ELLISON, LTD., CLECKHEATON, YORKS****COMPRESSED DRESSINGS.**

LARGE STOCKS. LOW PRICES. PLAIN LABELS.

INQUIRIES INVITED.

**HOSPITALS & GENERAL CONTRACTS CO., LTD.**

19, 21, 25 to 35 MORTIMER STREET, W.

**RUBBER & VULCANITE**

Goods of every description, Waterproof Sheetting, Waterproof Aprons, Syringes, Enemas, Whirling Sprays, Air Cushions, Rubber Gloves, etc.

**KEMP'S VULCANIZING CO., LTD.**

48-52 Hardman Street, Manchester. Also at Sheffield.

**PRECIPITATED CHALK.**

Lightest and Whitest, also Purest Dense.

APPLY TO

**AUG. LEVERMORE & CO. Ltd.,** 8-10 Ct. St. Melons, LONDON, E.C.

Telegrams: "LEVERMORE LONDON." Telephone: 4613 Central

**JOHN E. RAWORTH**

CHARTERED PATENT AGENT,

**PATENTS, TRADE MARKS AND DESIGNS.**

THE

**OLD MANSION HOUSE, and QUEEN ANNE'S CHAMBERS,** 73 Cheapside, E.C. WESTMINSTER, S.W.**LUMINOUS PAINT**

(Dr. BALMAIN'S)

AS SUPPLIED TO H. M. GOVERNMENT.

NEW DEPARTMENT OF LUMINOUS PAINTED ARTICLES.  
GOOD SELLING LINES FOR CHEMISTS.**W. C. HORNE,** Luminous Paint and Radio-Active Compounds, NORTH CHEAM, SURREY, ENGLAND.**SURGICAL  
RUBBER &  
VULCANITE  
Goods**

of every description.

Douche Fittings,  
Douche Tubing,  
Syringes,  
Teats, &c.**HIGGIN, Ltd.**  
265 DEANSATE,  
Manchester.**TOBACCOS ! CIGARS ! CIGARETTES !**

Every known Brand at Manufacturer's own List Prices. Endless variety of Tobacconists' Fancy Goods &amp; Shop Fittings. The Trade only supplied Opening orders a Speciality. Send for Price List.

**SINGLETON & COLE, LTD., Cannon Street, BIRMINGHAM AND BRANCHES.****RADIUM BATH SALT  
RADIUM DENTIFRICE  
RADIUM TONIC PILLS  
RADIUM BATH LOTION  
RADIUM HAIR TONIC****RADIUM SALT CO. LTD.,**  
21 Farringdon Ave.,  
LONDON, E.C.**Hot Water Bottles**

BEST ENGLISH MAKE. HEAVY WEIGHT.

Send for Prices to

**GALEN MANFG. CO., LTD.,**

Wilson Street, New Cross, London, S.E.

**INVESTIGATE**

The Py-Shan Points Co-operative Sales plan—we think it will interest you. It has a regular weekly sale, gives 5d. per lb., profit, and sales are confined to chemists. Just a card for particulars now to

**CHRISTYS, OLD SWAN LANE, E.C.**



# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, DECEMBER 2, 1916

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED**

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 2617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

## BEST RESULTS EVERY WEEK!



There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.'

Everybody in the drug-trade knows that only *bona-fide* paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-ends, for it gives

## THE PUBLICITY IT PAYS TO PAY FOR.

# CHEMISTS' TRANSFERS.

## Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON (Northern Suburb).—Brisk Ready-money Retail Business, situate in busy main thoroughfare; returns under management £1,400 to £1,500; terms, £200 on entry and £175 by instalments.

2.—KENT (Suburban).—Well-established Business, Retail and Dispensing; returns £900; *net profit* about £250; full investigation is invited; price £275 on entry and £175 by instalments to meet buyer's requirements.

3.—PORTLAND STREET STATION (Within Easy Distance of).—For Disposal, through death, good middle-class Business, Retail and Dispensing; excellent position in busy thoroughfare; returns £1,000; *net profit* £300; price to be arranged; equitable terms only required.

4.—LONDON, W.—Sacrifice for immediate Sale; Retail and Dispensing Business; returns about £600. present rate; scope for development; handsomely fitted shop and good stock; will accept reasonable offer.

5.—LONDON, S.W. (Few Miles Out).—Good-class Business for Sale through death; returns upwards of £2,000 yearly; all good profitable trading; about the value of stock and fixtures would be accepted and part payment considered.

6.—LONDON, N.W.—Ready-money Business, situate in popular district; established many years; returns £600; scope for extension by taking up N.H.I. Dispensing; price £275; trial allowed.

7.—LONDON, N.W.—Ready-money Retail, including small Syphon-filling Plant; returns average £500, at good prices; double-fronted shop; corner position; rent moderate; held on lease; no immediate opposition; offer wanted.

8. WESTERN COUNTY.—Old-established Business, Retail, Dispensing, and Agricultural; situate in best position in good market town; returns about £1,700; about £1,000 required, for which full value is offered.

9.—SUSSEX (Health Resort).—Good middle-class Retail, Dispensing, and Photo Sundries; situate in main road in chief business centre; returns between £1,000 and £1,100; *net profit exceeds* £350; attractive shop and large residence; price £750.

10.—SURREY (Residential Locality).—Select, good-class Business, admitting of extension; returns about £1,000 at good prices; well-appointed shop and good house; price about £700.

11.—HOME COUNTY (Within Easy Distance of Town).—Good-class Business, with excellent Optical connection; returns upwards of £2,500 per annum, *with net profit* £500; price £1,200, or valuation terms if preferred.

12.—S.W. OF ENGLAND.—Thoroughly sound Retail, together with Wines and Spirits; returns about £1,600; price £50 and valuation of stock and fixtures; good-sized house, with garden attached.

13. A PROFITABLE OLD-ESTABLISHED COUNTRY BUSINESS, situate in centre of small market town, Hants, giving a *net profit* of over £300; large shop, with comfortable residence; price £450

14.—MIDDLESEX (Within Easy Distance of West End).—Well-established Business, Retail and Dispensing; returns £1,500; *net profit* between £400 and £450; modern-fitted Pharmacy; practically no opposition; valuation terms entertained.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.  
**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**



# PARSON C. BAKER

**Pharmaceutical Chemist,  
TRADE VALUER AND TRANSFER AGENT.**

Recommended by British Drug Houses, Ltd.; Meggeson & Co.; Barclay & Son,  
Tel. No.: FINCHLEY 812

Valuer to the Association of Manufacturing Chemists, Ltd.  
**VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND  
FULL REPORTS, Town or Country, on moderate terms.**

No charge whatever to vendors or purchasers except by agreement.  
Personal Attention. 40 years' Valuation Experience.

Forced Sale.—Joining up. Central position, popular suburb. Returns  
£1,300, good class. Large house, can let off. Suit limited company.

**CORRESPONDENCE INVITED.**

**1 MOUNTFIELD RD., CHURCH END, FINCHLEY, N.**

## THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS,**

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

## BATTAM & HEYWOOD

(ESTD. 1837.)

**CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS.**

Balance Sheets Prepared. Books Audited.

**3 DAVIES STREET, BERKELEY SQUARE, W.**

Telephone: GERRARD 2169.

## BERDOE & FISH

**VALUERS & TRANSFER AGENTS,**

**35 Jewry Street, Fenchurch Street, City.**

Telephone: 1899 CENTRAL.

**NO CHARGE TO PURCHASERS.**

1.—SOUTH COAST (Fashionable Resort).—Good-class Dispensing and Retail Business, with Photographic, in principal main thoroughfare; turnover nearly £2,000; profits about a third; commanding corner Pharmacy, well fitted and stocked; good house attached; price, simply valuation of stock and fixtures, plus £100 goodwill, in all about £1,000.

2.—MIDDLESEX.—Good-class Chemist's and Optician's Business for Sale through death; returns over £1,850; good profits; attractive Pharmacy, in fine position and well stocked; good house; price about £1,000, or would sell separately; personally recommended.

3.—LONDON (Borders of City).—Very profitable Cash Retail, with N.H.I., for immediate Disposal, situated in densely populated working-class district; returns last three years average over £2,200, proof given; entirely under management; excellent profits; low rent, on lease; price £1,000, or near offer; strongly recommended.

4.—CLAPTON, N.—Good-class Light Suburban Retail Business; in same hands 16 years; returns £850; good profits; attractive Pharmacy and convenient house; stock and fixtures recently valued at over £300; will accept about £150 for quick sale; only requires seeing; personally recommended.

### STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

## BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every  
10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CUMBERLAND, St. Bees.—Seaside, Mixed village Business; returns about £700; College of 350 boys; suit qualified or unqualified; rent £22; valuation about £350; no opposition; full prices. A. Ashby, Main Street.

SOUTH OF ENGLAND.—In very desirable locality, one of the finest good-class Dispensing with modern Retail Businesses; Pharmacy situated in leading thoroughfare, central position; every modern convenience; splendidly stocked and fitted; established 25 years; returns over £2,000; good house, side entrance, newly decorated, thorough order; owner prepared to treat with gentleman; cash deposit on easy terms; exceptional opportunity; books kept by accountant; every investigation courted. "Opportunity" (27/36), Office of this Paper.

WEST END.—For immediate Disposal, under exceptional circumstances, a first-class Family Retail and Dispensing Business; returns about £2,500; net profit £200 clear; splendid position; fully stocked; will accept £1,100 cash for prompt sale; only bona-fide cash buyers entertained. Address, "Radium" (28/11), Office of this Paper.

ATTRACTIVE and good-class Business in West End; reason for sale, to close estate; price £650 or nearest offer. For further particulars reply to "Exors." (25/1), Office of this Paper.

FOR Sale, a well-known Patent Medicine. Apply to Cooke, Gorey.

HIGH-CLASS Dispensing Business (no N.H.I.) and Family trade at good prices; returns £800 to £900; London, W.; family reasons for disposal; particulars to bona-fide purchasers with reference. Apply, 25/4, Office of this Paper.

HIGH-CLASS Dispensing Business for Sale; owner given final exemption will accept best offer, cash or easy terms; banker's reference required; increasing returns; healthy London suburb. 25/21, Office of this Paper.

MARKET TOWN, Hampshire.—Owing to Difficulty in Obtaining Trustworthy Manager.—Handsomely-fitted, good-class Pharmacy for Sale; returns £1,700 under management; large premises, suitable for big business; short hours; no Sunday duty; practically no N.H.I.; good house; about £1,000; valuation terms entertained; no Agents. 25/200, Office of this Paper.

OPPORTUNITY to acquire a small, profitable Business for £100 down and £50 by instalments; S.W. suburb; low rent and working expenses; lock-up shop, modern fittings, saleable stock; scope for increase; for quick sale cash offer entertained; particulars at interview by appointment. Apply, 24/36, Office of this Paper.

## FOR SALE.

FOR Sale, 14 lb. Thymol, 4 lb. Menthol, 22 oz. Quinine Hydrochlor., 56 lb. Pot. Bicarb., 1 lb. Pot. Cyanide, 8 oz. Pot. Benzoate, 8 oz. Hydrokinone, 5 doz. W.M. 40-oz. Shop Rounds, 5 doz. do., with various contents; offer, all or part. 18/22, Office of this Paper.

CASH Register, Total Adding and detail Strip printing; nearly new; bargain by post. F. King, 27 Chesterfield Gardens, Green Lanes, Harringay, N.

STRONG, once-used, Wood Packing Cases, 21 1/2" x 14" x 11 1/2"; also wanted to purchase, Ointment Mill. Price and full particulars to F. E. Johnson & Co., School Street Laboratories, Hull.



## SALES BY AUCTION.

TRADING WITH THE ENEMY AMENDMENT ACT, 1916.

### RE ODOL CHEMICAL WORKS.

("ODOL," "IREX," "FORMAWN," "PIXOAP," etc.)

To be Sold

By Order of the Controller appointed by the Board of Trade,  
Claude C. Campling, Esq.,  
Chartered Accountant.

**M**ESSRS. DANIEL WATNEY & SONS are instructed to offer  
by PUBLIC AUCTION on the premises,  
Nos. 6 & 8 Marshalsea Road, Southwark, S.E.,  
ON TUESDAY, THE 12th DECEMBER, 1916, at 12 O'CLOCK  
PRECISELY,

the Plant and Machinery, Oils, Essences, Bottles, Trade Sundries,  
Office Furniture, Safe, Trade Carts, Harness, and other miscellanea,  
comprising the entire Stock-in-trade in this country of  
THE ODOL CHEMICAL WORKS.

The entire Stock as per detailed Catalogue will be first offered  
IN ONE LOT as it stands, and if not disposed of as a whole, it  
will be sold in separate Lots without reserve as per catalogue.

On view day prior and morning of Sale.

Catalogues of:—

THE CONTROLLER, CLAUDE C. CAMPING, ESQ. (MESSRS.  
WHINNEY SMITH & WHINNEY), CHARTERED  
ACCOUNTANTS,

4b FREDERICK'S PLACE, OLD JEWRY, E.C.; or  
THE SOLICITORS,

MESSRS. FOSS, BILBROUGH, PLASKITT & CO.,

5 FENCHURCH STREET, E.C.; or of

The Auctioneers,

Messrs. Daniel Watney & Sons.

4a Frederick's Place, Old Jewry, E.C.

## TENDERS.

### CONTRACTS.

**T**HE Guardians of the Poor of the Parish of St. Mary, Islington, invite Tenders for the supply of DRUGS and DRUGGISTS' SUNDRIES for three months from 31st December, 1916 (inclusive), to the several Institutions and Outdoor Dispensaries of the Guardians in the Parish.

Printed forms of Tender must be obtained from the Clerk personally, or a stamped addressed *brief-size* envelope may be sent.

Sealed Tenders must be delivered at the undermentioned Offices on or before Tuesday, 5th December, 1916, and they will be opened at a Meeting of the Guardians on Thursday, 7th December, 1916.

The Guardians do not bind themselves to accept the lowest or any Tender.

By Order,

EDWIN DAVEY, Clerk.

Guardians' Offices, St. John's Road, Upper Holloway, N.,  
22nd November, 1916.

## LEGAL.

Re J. A. GEORGE, trading as C. A. GEORGE & SON,  
CHEMIST, 70 FARGATE, SHEFFIELD.

UNDER DEED OF ASSIGNMENT.

**C**REDITORS of the above firm who have not already done so  
are requested to forward claims to the undersigned not later  
than the 7th day of December, 1916, otherwise they will be  
excluded from participation in the dividend shortly to be declared.  
(Signed) J. W. NAYLOR,  
Trustee.

17 Bank Street, Sheffield.

## BUSINESSES WANTED.

**A** CHEMIST desires to Purchase a small but genuine Proprietary line or Mail Business that can be worked with Retail business. "Suburbia" (24/8), Office of this Paper.

**L**IGHT Retail Chemist's Business wanted; South of England preferred; convenient house and premises for small family. Please state full particulars (in strict confidence), returns, rent, and domestic accommodation, Mr. Stewart, Chemist, 59 Sheen Lane, Mortlake, S.W.

**Q**UALIFIED Chemist wishes to Buy good-class Business by or within five miles of North-West of England Coast (N. Wales or Cheshire Coast preferred); not more than £500 purchase price; £300 cash available, security for remainder; small Optical connection or where scope for same preferred; highest references. Apply, 27/19, Office of this Paper.

**W**ANTED, good-class Family and Dispensing Business; country market town preferred, or Management, with option to purchase. Particulars, in confidence, to 25/12, Office of this Paper.

## AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**F**RENCH and English Chemists, doing a good Wholesale and Retail business in Chile, S.A., are open to take up exclusive Agencies; keep your trade out of German hands; references, Evans Sons Lescher & Webb, Ltd. Address, Mahuzier Sucesores, P.O. Box 265, Ooncepcion, Chile, S.A.

**S**PAIN.—Spanish Pharmacist, speaking English and French, with London and Paris Pharmacy experience; Travelling experience in Spain, calling on Doctors and Chemists, is open to Represent first-class firm; best references. Apply, 7/17, Office of this Paper.

**M**ANUFACTURERS in bulk of an established brand of British Lysol desire to make arrangements with substantial firms to act as Bottlers and Sales Agents for the British Empire. Write "Z. C. 722," c/o Deacon's, Leadenhall Street, E.C.

**W**ELL-ESTABLISHED Bombay firm, with good connection among Dealers in Drugs, Patent Medicines, etc., desires to take up the sale of the Goods of British Manufacturers in India; open to keep stocks and distribute. Address, Bilimoria & Co., 121 Dhobitalao, Bombay, India.

## PARTNERSHIPS.

**M**ANAGING Partner wanted (qualified) to join advertiser in taking over a very good-class business; cash required about £500 for half-share, and, based on present profits, the total income accruing would be approximately £400 to £500 per annum. Write, giving full details, to "Medico" (28 10), Office of this Paper.

## APPRENTICESHIPS.

**B**EDFORD & CO., 6 St. Swithin's Lane, require an Apprentice or young Assistant; easy hours.

**G**IRL (16 years) wishes to become Apprenticed to Retail Chemist; City or North London. Apply, "Apprentice" (28/7), Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

## RETAIL.

**A**LDERSHOT.—Unqualified Assistant; accustomed to brisk trade; unfit for military service. State particulars, with salary required (outdoors), to Orange, Chemist, Aldershot.

**B**IRMINGHAM.—Manager, qualified, for busy Retail; must be good Salesman, capable Manager, and have undeniable references; apply, with full particulars of salary required, age, and experience, Junior for Branch also required. A. S. Price & Co., Ltd., Blackheath, Birmingham.

**B**RIGHTON (Outdoors).—Competent Assistant; duties principally Dispensing; hours 9 to 7.30, Wednesdays 9 to 9, Thursdays 9 to 1.30; alternate Sunday duty. Apply, with full particulars as to experience, stating age, height, salary wanted, and enclosing photo if possible, J. Colby & Co., 101 Western Road, Brighton.

**B**UXTON.—Wanted, experienced Assistant, lady or gentleman, for good-class Family Dispensing business; outdoors. State wages required and full particulars to Pugs, Chemist, Buxton, Derbyshire.



**BUXTON.**—Assistant, with Dispensing experience and used to good class of business; lady or gentleman (ineligible); comfortable berth; no Insurance Dispensing. State as many particulars as possible in first letter. age, experience, etc., to Thresh, Buxton, Derbyshire.

**CHEPSTOW.**—Ineligible Assistant for Light Retail and Dispensing; outdoors; easy hours; no Sunday duty; with Optical experience preferred. Full particulars to Clarke, Chemist, Chepstow.

**COALVILLE.**—Wanted, Senior Assistant able to take charge, for Dispensing, Counter, etc.; must be good Extractor and able to fit Artificial Teeth; ineligible for military service. Brunt, Chemist and Dentist, Coalville.

**DOVER HOSPITAL.**—Qualified Dispenser required for duration of war, in fortnight's time; must undertake certain clerical work in keeping books and sending out tickets. Applications by letter, with full particulars, stating salary and with testimonials, to Hon. Secretary, 2 Castle Street, Dover.

**GODALMING.**—Outdoors; Junior; disqualified for Army; capable Dispenser. J. H. Mather, Pharmacist, High Street.

**GRIMSBY.**—Wanted at once, a qualified Chemist to act as Sub-Manager for Drug Stores; must be ineligible or above military age, and energetic. Full particulars of age, experience, and salary required to "Receiver and Manager," c/o Freshney's London Drug Stores, 5 Victoria Street, Grimsby.

**GRIMSBY.**—Required, by January 1, 1917, Branch Manager, qualified; only one over 41 years of age need apply; easy hours; light work; N.H.I. Dispensing. Apply, stating age, height, and salary required, with two references, and enclose photo (returned), to Barkers (Exors.), Chemists, Grimsby.

**HANTS.**—Manager; qualified; Market town; smart business-builder; knowledge of Farmers' requirements; Prescribing, Photography, some Optics and Dentistry useful, not essential; short hours, no Sunday duty. Full particulars as to age, experience, if married what family, salary required (on or off premises), when disengaged, references, photo, 25/20, Office of this Paper.

**HITCHIN.** Herts.—Assistant for first-class Country business, Dispensing, Retail, Photography, no N.H.I.; outdoors. Please state age and usual particulars, Perks & Llewellyn, Pharmaceutical Chemists, Hitchin, Herts.

**HULL.**—Wanted, a qualified Assistant, ineligible or over military age, for N.H.I. Dispensing and Light Counter trade; easy hours. Apply, stating age, references, salary required, and when disengaged, 27/38, Office of this Paper.

**KINGSTON-ON-THAMES.**—Reliable and trustworthy Assistant required; one seeking permanency; good Counter trade: Allopathic and Homeopathic Dispensing (willing to teach Homeopathy); comfortable situation; no Sunday or Bank Holiday duties; good wages. Tamplin & Son, Pharmacists and Opticians, 19 Eden Street, Kingston-on-Thames.

**LEAMINGTON.**—Capable qualified Manager required for good-class Retail and Dispensing business; live on premises. Please state full particulars of past experience, age, and salary required, Hutton & Barrett, Ltd., Leamington.

**LONDON.**—Qualified Manager, over military age, for working-class business; been well managed; good salary with liberal interest in the profit offered to smart, capable man. Apply, 146/23, Office of this Paper.

**LONDON, N.W.**—Part-time Assistant required for mornings (or mornings and afternoons) in good-class business; knowledge of Dispensing essential. "Beta" (24, 29), Office of this Paper.

**LONDON, S.E.**—Smart Assistant wanted immediately, female or ineligible male. Apply, stating age, experience, salary, etc., to Muudays, 25 Camberwell Green, S.E.

**LONDON, W.**—Capable Assistant wanted, qualified; good salary for suitable man; outdoors. Apply, stating usual particulars, to John Atkins, Chemist, 109 Queen's Road, Bayswater, W.

**LONDON, West End.**—At once, qualified Assistant, elderly, for easy berth; short hours. Apply, 24/19, Office of this Paper.

**LUDLOW.**—Reliable Assistant, unqualified, wanted beginning January; outdoors; easy hours; half-day; no Sunday; ineligible for Army. State age, height, and usual particulars, also reference, Woodhouse & Son, Bull Ring, Ludlow, Shropshire.

**MANCHESTER District.**—Qualified Manager, indoors, not over 45, also Junior Assistant, not over 22 (lady not objected to; outdoors, required for good-class Retail and Dispensing business. Apply, giving usual particulars as to salary, references, age, etc., and enclosing photo, to T. & W. Woodruff, Chemists, Cheadle, Cheshire.

**MANCHESTER.**—An unqualified Assistant, accustomed to good-class business, required for the Retail Counter; no Insurance work or Sunday duty. Also an Assistant accustomed to putting up Drug and Chemical orders. Mottershead & Co., 7 Exchange Street, Manchester.

**N.W.**—Assistant for Dispensing and Counter; lady or gentleman; outdoors. State salary, S. P. Sayers, 7 Brent Street, Hendon.

**PUTNEY.**—Smart Assistant wanted at once for high-class Dispensing business; must be good Salesman and able to put in selling Windows; permanency to right man; good wages; ineligible. Apply personally, or if by letter fullest particulars must be given as to experience, etc., to C. R. Toyne, 26 High Street, Putney, S.W.

**RUGBY.**—Assistant, lady or gentleman, for Dispensing business at once. Apply, Percy B. Gray, Pharmaceutical Chemist, Rugby.

**SHEFFIELD.**—Lady or gentleman (ineligible) Assistants, qualified and unqualified; experienced; good Counter hands; references essential. Write full particulars, Eardley & Furnival, Pharmaceutical Chemists, 265 Glossop Road.

### TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

### ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

### RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

**RESULTS**  
OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK—NOV 25 1916

| NATURE OF ADVT.       | REPLIES |
|-----------------------|---------|
| QUAL. DISPENSER       | 10      |
| MANAGER               | 10      |
| BUSINESS FOR DISPOSAL | 8       |
| LAB. ASSISTT          | 7       |
| ASSISTT               | 7       |

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.



**SOUTH KENSINGTON.**—Capable Dispenser wanted immediately for good-class Family and Dispensing business; usual hours; outdoors; duties shared by three; temporary Assistant not objected to. Usual particulars to B. R. Wilkinson, c/o Stickland & Co., 25 Cromwell Place, South Kensington, S.W.

**SOUTH OF ENGLAND.**—Assistant required; free removal; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

**SOUTH WALES.**—Qualified Manager, ineligible or over military age, for progressive business; permanency; good agreement with interest in the profits; Welshman preferred. "Wales" (24/381), Office of this Paper.

**STAMFORD.**—Wanted, lady Assistant, accustomed to high-class Retail and Dispensing business. Apply, with references and photo, to Dickinson, Chemist, Stamford.

**SURREY.**—Qualified Manager required at once for Branch, Light Retail and Dispensing; must be ineligible for Army service or over military age and married; good house; easy hours; permanency. Full particulars to D. Macrae, Pharmacist, Redhill.

**TEWKESBURY.**—Qualified Assistant (ineligible for military service) for Dispensing, Agricultural, and Photo business in good market town; reliable, trustworthy man, capable of taking charge. State age, experience, references, salary required, and reason for exemption, photo, Gibbs & Son, Chemists, Tewkesbury.

**TUNBRIDGE WELLS (High Street).**—Qualified Manager required immediately for important business; permanent; outdoors; to a really reliable, energetic, and competent man with keen interest in business a good salary and commission on net annual profits is offered; able to manage and control staff. Full particulars, Pearmund, Chemist, 17 Calverley Road.

**WEYBRIDGE.**—Junior wanted for Dispensing (lady or gentleman); must have had some Pharmacy experience. Kindly give all details in first letter, Amos & Ashworth, Dispensing Chemists, Weybridge, Surrey.

**WORCESTER.**—Wanted, smart, capable Assistant, used to quick Cash business. Reply, stating age, salary required, and full particulars, to E. J. Kitson, Ltd., City Drug Stores, Worcester.

**YORKSHIRE.**—Young lady who has had experience at the Counter, and some Dispensing, required for a quick Cash business in colliery district; comfortable and permanent berth. "Yorks" (24/58), Office of this Paper.

**A STEADY** and reliable Assistant wanted in a good country business, West of England; outdoors; short hours; capable of taking charge in absence of owner, who wishes to go away on account of ill health; a capable and trustworthy man would be well treated. Apply, 25/5, Office of this Paper.

**ASSISTANT** for Central District; smart and used to high-class Retail and Dispensing; outdoors. Apply, 23/27, Office of this Paper.

**BY** January 1, 1917.—A reliable Assistant (qualified or unqualified), ineligible for Army; easy hours; outdoors; brisk Store trade. Please give full particulars, age, experience, and salary to Francis & Co., Pharmacists, Wrexham.

**CAPABLE** Assistant (ineligible) for high-class Family and Dispensing business; outdoors. State references, experience, and salary required, J. B. Pater, Pharmacist, Broomhill, Sheffield.

**COUNTER** Assistants required (either sex) in Drugs and Perfumery Department; also Assistants with knowledge of Drugs and Druggists' Sundries for executing post orders. Apply personally (if by letter stating experience and salary required) to the Manager, Drug Department, Army and Navy Co-operative Society, Ltd., 105 Victoria Street, Westminster.

**IMMEDIATE.**—Qualified Assistant, ineligible or over age; one accustomed to high-class Store trade and Dispensing; Crystal Palace district; state salary. Apply, 20/7, Office of this Paper.

**LADY** Dispenser required; must hold certificate of the Pharmaceutical Society of Great Britain; salary £2 per week, with dinner and tea daily. Particulars of duties contained in the form of application to be obtained from the Officer-in-Charge, Welsh Metropolitan War Hospital, Whitechurch, near Cardiff.

**LADY** Assistant, capable Dispenser, wanted, to start duty after Christmas (or before if free). Apply, stating age, height, experience, and salary required, to Dow Brothers, Pharmacists, 44 Seven Sisters' Road, Holloway, London, N.

**LADY** for Dispensing, Bookkeeping, and General Assistance at once; good experience to be gained. State qualification, age, height, and photo, and salary expected, previous experience, P. T. Harris, M.P.S., 183b King's Road, Chelsea.

**LADY** Assistant wanted, with Minor qualification; hours 8.45 to 6.30; Saturdays closed at 1 o'clock; no Sunday duty. Apply, Staff Superintendent, C.S.S.A., 136 Queen Victoria Street, E.C.

**MANAGER** for Drug Store; easy hours; no Sunday; no Dispensing or Poisons; decent opening for good Counterman and business puller on practically mutual terms. State age, experience, and salary in first letter to 24/20, Office of this Paper.

**MANAGER**; qualified; over military age or ineligible; live on or off premises. State age, salary, and references to "Manager," 22 Castlewood Road, Stamford Hill, N.

**MESSRS. SAVORY & MOORE** require a qualified Assistant in their Dispensing, either a gentleman ineligible for military service or a lady. Apply, Manager, 143 New Bond Street, W.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

**PART-TIME** Assistant required, morning, afternoon, or evening, for Light Retail, Dispensing, and Stock. Apply, with full particulars (two references essential), stating hours to spare, to Marshall & Co., 5 Pimlico Road, Ebury Bridge, S.W.

**QUALIFIED** Chemist wanted, over age; must be total abstainer. State terms, Games Evans, Ltd., 54 Clare Road, Cardiff.

**QUALIFIED** or unqualified Assistant wanted, ineligible (outdoors) for a good-class Dispensing business. Apply, Quibell, The Station Pharmacy, Golder's Green, N.W.

**QUALIFIED** Chemist (ineligible) to Manage Branch in centre of populous town; applicants must state full particulars, also age and salary required. Apply, 25/37, Office of this Paper.

**QUALIFIED** Manager, married or single, lady or gentleman, resident or non-resident, for high-class suburban business, at once; state salary and experience. Apply, Chemist-Optician, 76 High Street, Wimbledon.

**REQUIRED** at once, owing to illness, qualified Manager or Assistant for small Branch Pharmacy near London; a purchaser would be negotiated with. 25/38, Office of this Paper.

**THOMPSON & CAPPER'S** have vacancies for two or three experienced lady Assistants, used to a brisk business and able to Dress Windows; qualified for preference, but not essential. Apply in first place to Manesty Buildings, College Lane, Liverpool.

**UNQUALIFIED** Assistant; ineligible or above military age; must have had good Photographic experience; progressive berth; Midland city; permanency. "Photo" (24/380), Office of this Paper.

**UNQUALIFIED** Assistant wanted immediately; ineligible for Army, or one who has served. State age, reference, and salary in first letter, Taylor Gibson & Co., 17 Bigg Market, Newcastle-on-Tyne.

**UNQUALIFIED** Assistant wanted at once in Devon; ineligible; good house provided. State wages and experience, 25/13, Office of this Paper.

**UNQUALIFIED.**—Wanted immediately, one or two Counter Assistants, male or female. Apply, personally or by letter, to "Chemist," C.S.C.S., Ltd., 28 Haymarket, London, S.W.

**WANTED**, qualified woman for Dispensing and some Counter work; women Pharmacists' business; reasonable hours. Apply, giving full particulars as to salary (indoors or out), references, etc., to Deane & Co., Chemists, 17 The Pavement, Clapham Common, S.W.

**WANTED** at once, to take charge of small Chemist's shop, preferably a woman; references (not testimonials), particulars as to experience, and salary required. Apply, Box 962, Robertson & Scott, Advertising Agents, Edinburgh.

**WANTED** at once, qualified Manager for Agricultural and Dispensing business. State experience and salary to Topping Bros., 31 Church Street, Preston.

**WANTED**, for the period of the war, at the Royal Infirmary, Sheffield (350 beds, of which 133 are military), an Assistant Dispenser. Applications are invited from discharged service men or from any fully-qualified Dispenser (male or female) with Hospital experience, and should be accompanied by copies of testimonials, and addressed forthwith to the Secretary, Royal Infirmary, Sheffield.

**WANTED**, a qualified lady Dispenser; salary 25s. per week, with rooms and attendance. State age and experience and apply, with testimonials, to "Medicus" (142/3), Office of this Paper.

**WANTED**, young lady to assist in Herbal Department, Chemists, W.C. District; wages 25s. to commence. Apply, W. H. Reeve, 57 Constantine Road, Hampstead, N.W.

**WANTED**, an experienced Dispenser. Apply, stating age, references, and salary required, to Secretary, G.W.R. Medical Fund Society, Swindon, Wilts.

**WANTED**, Assistant, ineligible for military service, or a lady (outdoors); must be a good Salesman; moderate hours. Apply, with references, stating age, experience, and salary required, J. W. Heath, Hucknall, Notts.

**WANTED**, Assistant for N.H.I. Dispensing and Light Retail; whole or part-time; outdoors; dinner and tea in if desired. A. Fryer, 75 Nevill Road, Stoke Newington, N.

## WHOLESALE.

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**A**N Assistant Laboratory hand, able to Mix Veterinary Preparations and make simple Compounds, Tinctures, Toilet Preparations, etc.; of exempted age. Particulars to 400/57, Office of this Paper.

**A**T Once. Competent lady Clerk for Wholesale Drug house, with knowledge of Ledger Keeping, Pricing of Invoices, and general Office routine. Give full particulars, age, experience, salary required, addressed to the Managing Director, Evans, Gadd & Co., Ltd., Bristol.

**M**ANAGER Wanted for Mineral-water Factory on the South Coast. Write, stating experience in factory and office, age, and salary required, to "C. D.," 18 Cornhill, E.C.

**R**EPRESENTATIVES calling upon Chemists and Druggists and Stores in populous districts will find our Honey a profitable line. Leonard Hill & Co., Honey Packers, 6 Rood Lane, London, E.C. Packing Works, Wagner Street, S.E. Contractors to H.M. War Department.

**R**EPRESENTATIVE required by old-established house for Chemists' and Druggists' Sundries, etc.; London district; ineligible. 18/21, Office of this Paper.

**R**EPRESENTATIVE required, calling on Chemists and Doctors; well established and widely advertised Nerve Food; no objection to combining with an approved non-competing article. "B. P." (24/9), Office of this Paper.

**W**ANTED, gentleman (not eligible for military service) to Manage and take charge of Wholesale Surgical Appliance business; must be thoroughly conversant with the manufacture, sale, and fitting of all kinds of Surgical Appliances and undertake all responsibilities; good remuneration for competent man. Apply, 21/10, Office of this Paper.

**W**ANTED, by firm of Wholesale Druggists, an Assistant hand for Compounding Ointments, Syrups, Veterinary and Toilet lines; must be ineligible for military service. Write, 144/57, Office of this Paper.

**W**ANTED, a man (ineligible), with first-class Office experience and used to Invoicing. Apply, stating experience and salary required, to R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool.

**W**OMAN Pharmacist wanted for post on clerical staff. Apply, "C" Department, The British Drug Houses, Ltd., Graham Street, London, N.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.** The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**M**ONTE CARLO.—An English Assistant, speaking French, required for season at Monte Carlo. Apply, in first instance, to "H. A. G.," Export Department, S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

**P**ARIS.—Wanted, an English Assistant (ineligible), speaking French, well up in Pharmacopœia and Dispensing; good Salesman. Write, giving full particulars, references, wages required, etc., to Roberts, 4 Woodside Lane, North Finchley.

**P**OUR PARIS.—On demande élève parlant bien français et connaissant bien les ordonnances, très pressé. Ecrire avec références, Mr. Logeais, Pharmacie, 37 Avenue Marceau, Paris.

## SITUATIONS WANTED.

**1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.**

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

## [HOME.] RETAIL.

**A** CHEMIST; excellent experience; Locum, permanency; energetic. "Statim," 40 Powis Square, Bayswater, W.

**A**S Manager; elderly man; disengaged; active, reliable; qualified; good references and experience. Full details to "Tabloid" (23/4), Office of this Paper.

**A**S Manager; over military age; London preferred; disengaged. "Carbon" (28/6), Office of this Paper.

**A**SSISTANT; unqualified; age 20; ineligible for Army; good Dispenser; South Coast for preference. Apply, 24/26, Office of this Paper.

**A**SSISTANT (30), married, unqualified (rejected), thoroughly competent, capable of taking charge, desires permanency in country town; disengaged after Christmas. "Abstainer" (25/26), Office of this Paper.

**C**HEMIST'S wife; unqualified; good Counter hand, Stock; evenings and Saturdays. Write, "Statim," 76 Frampton Park Road, Hackney, N.E.

**D**ISENGAGED; qualified; 39; married; exempt; Locum, permanency. Stewart, 3 Elborough Street, Southfields, S.W.

**D**ISPENSER, lady (Hall) desires post with Chemist, with view to gaining further experience; two years' experience with Doctor. Mailly, "Cartrey," Minehead, Somerset.

**D**ISPENSER, lady (part qualified), with Doctor, Chemist, or Institution. Apply, 25/33, Office of this Paper.

**D**ISPENSER, male; disengaged; Extract; steady, reliable; unqualified; elderly. 28/28, Office of this Paper.

**E**XPERIENCED Manager, M.P.S., D.B.O.A.; good Salesman, Photographer; would consider Partnership. Reply, "Chemist," 10 Heaton Road, Heaton Norris, Stockport.

**L**ADY Dispenser, qualified, requires post with Doctor, Chemist, or Institution; capable, experienced; excellent testimonials; disengaged after Christmas; please state salary. Apply, 23/24, Office of this Paper.

**L**ADY Dispenser (Hall part qualified) requires post with Chemist or Doctor; Manchester district. Address, Miss Booth, "Manca," Chatsworth Road, Eccles.



**LADY** Dispenser (Apothecaries' Hall), experience, reference, reliable, requires part-time work. "Mox" (25/11), Office of this Paper.

**LADY** with Hall qualification seeks engagement in or near London, as Dispenser in Hospital, Institution, or with West-End firm. 25/16, Office of this Paper

**LADY** Dispenser (Hall) desires post with Doctor, Institution, or Chemist; London district preferred. "H. C. H." c/o Westminster College, Clapham Road.

**LADY** Dispenser (20), Hall, Institution experience, requires situation, Bradford, Leeds, or neighbourhood. 26/1, Office of this Paper.

**LADY**, qualified, wishes post as Dispenser in Edinburgh; reasonable hours; no Counter work. Apply, 25/35, Office of this Paper.

**LOCUM**; provincial preferred; qualified. West, 47 Vicarage Road, Leyton, London.

**LOCUM TENENS** or for winter months; London or suburbs; qualified; over age; active. "B.L." 1 Sylvan Avenue, Bowes Park, N.

**LOCUM**; disengaged; country; Minor; 50: first-class experience and good references; reliable, energetic; Photography, Optics. T. H. Dewey, Fern Villa, 3 Helena Avenue, Margate.

**LOCUM** or permanency; competent Dispenser; excellent references. Marsden, 54 Romilly Road, Finsbury Park, N.

**LONDON** Manager or Locum; 45; qualified; disengaged. "Chemist," 108b Elgin Avenue, W.

**M.P.S.**; Manager or Locum; experienced; age 37 years; excellent references. Apply, 23/14, Office of this Paper.

**MANAGER**, with excellent all-round experience and well capable of increasing returns; purchase or share returns entertained; preferably London; unqualified. "F." (13/31), Office of this Paper.

**MANAGER**; qualified; 30; experienced; good references; ineligible; disengaged shortly. 25/29, Office of this Paper.

**MANAGER**, qualified, married, desires permanency; disengaged January 1, 1917; short-dated Locum entertained. Whitehouse, c/o Lands, Ltd., High Street, Tunstall, Staffs.

**MANAGER** or otherwise; Minor qualification; first-class references; 42; over military age; married; London preferred, or South of England. 28/8, Office of this Paper.

**MANAGER** or Locum; qualified; disengaged; satisfactory references. "Alaxa" (28/25), Office of this Paper.

**PART-TIME**.—Advertiser has mornings at liberty; London; well recommended; any class business. Apply, 28/1, Office of this Paper.

**PHARMACEUTICAL** Chemist, elderly, with British and Irish qualifications and much experience, desires suitable appointment; preferably for Dispensing or Hospital work in England. "Pharmacist," 20 Castle Place, Belfast.

**QUALIFIED**; Senior, Manager; ineligible; active, experienced. Bromley House, Higher Bank Road, Fulwood, Preston.

**QUALIFIED**; 39; conditional exemption; complete knowledge of all branches. State fullest details first letter, "Statim," Portland Street, Huddersfield.

**QUALIFIED**; daily Relief; exempted. "Chemist," 1 Bond Street, Ealing, W.

**QUALIFIED** (50), active, large experience, home and abroad, desires responsible position. 25/36, Office of this Paper.

**QUALIFIED**, married, requires post as Manager (with view to purchase preferred) in good-class Family and Dispensing business; country market town; 15 years' reference from last station. 25/120, Office of this Paper.

**QUALIFIED**; 23; as Manager; exempt; West Riding preferred. 25/15, Office of this Paper.

**UNQUALIFIED**; 26; exempt; married; experienced, Dispensing, Counter, Window-dressing; good Show-card and Ticket Writer; capable taking charge; disengaged December 14; permanency; temporary not objected to; state salary. Apply, 23/32, Office of this Paper.

**WANTED**, suitable work at home, putting up Stock, "M.P.S." (23/36), Office of this Paper.

**WANTED**, experience in Dispensing by Chinese (Medical Student); would give every assistance for small salary. "D. H.," Woodbury, Broom Road, Teddington.

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**ADVERTISER** (29), exempt, possessing initiative and energy, exceptional experience Factory and Office, controlling female Finishing staff, seeks Department managerial or responsible post. "Executive" (27/37), Office of this Paper.

**COMPRESSED** Tablets.—Smart man; 17 years' practical experience in Making, Coating, etc.; working Foreman five years, present situation; good reason for leaving; age 32; married; hold military exemption certificate. "R. G. B.," 89 Clondesley Road, Barnsbury, London.

**PERMANENCY** required by good business man over military age, used to travelling. Drugs, Sundries, or Soap trade; excellent references. Apply in first instance to "J. P." (25/18), Office of this Paper.

**QUALIFIED** Chemist (33) desires to leave Retail for position of importance with firm of Manufacturers where his knowledge would be useful; could invest about £300; ineligible; highest references. Apply, in confidence, 27/190, Office of this Paper.

**SALES** and Advertising Manager, or Representative; position in either capacity required by advertiser; thoroughly experienced in controlling sales, organising selling schemes, and advertising; first-class references. Apply, 28/9, Office of this Paper.

**TRAVELLER** requires two or three Agencies for West of England; commission and part expenses; has many years' connection with Chemists, Grocers, Stores, etc.; qualified chemist; ineligible. "S.," 19 Wolseley Terrace, Mutley, Plymouth.

## MISCELLANEOUS.

**MCADAM & TUCKNISS**, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green.

Shares for Sale (free of commission, subject).—5 Camwall Preference, 6s. 9d.; 20 Ordinary, 10½d.; 90 W. B. Fordham, 10s. 7½d.; 310 Idris "A", Preference, 4s. 6d.; 140 International Sponge Ordinary, 6s. 10½d.; 500 Magadi Soda Deferred, 4s.; 700 Mutamba Sugar, 2s. shares, 1s. 7½d.; 74 Mellin's Food 6 per cent. Preference, 13s. 9d.; 300 Northumberland Tea, 2s. 1½d.; 500 Singapore United Rubber, 3s. 1½d. c.d.; 10 Virols, 36s. 10½d.; 200 Ilford 6 per cent. Preference, 15s. 9d.

Shares Wanted (subject).—Allenbury & Wright Layman Preference.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

**MCQUEEN'S** System of Accounts works profit and loss account, balance sheet, and income-tax return with guaranteed certainty; prepare for even bigger war tax and over-assessment by using this "Accountant on your Desk"; simple as ABC. Full particulars and testimonials, free, McQueen & Co., Moat Road W., Leicester.

**COMPLETE SHOP-FITTINGS**, suitable for Branch or beginner. —12-ft. Drugfitting, Glass Labelled Drawers, etc.; 6-ft. Wall Case; 5-ft. Bent Counter Case; 6-ft. Dispensing Screen Counter; Desk Perfume Case; 8-ft. Plate-glass Front Serving Counter; Counter Drawers; ready for use; £50, a real bargain. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

**SECOND-HAND** Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

**PACKAGE for SURGICAL DRESSINGS**

TO MANUFACTURERS, DRUGGISTS, &amp;c.

An improved Package for Absorbent Cotton, Wool, and other Surgical Dressings is offered for Sale. PERFECT—ASEPTIC—STERILE. It is known as the "P.A.S." Package, and manufactured in England under the British Patent No. 28399.

Depot: ARTHUR TEICHMANN.

1 Cripplegate Buildings, Wood St., LONDON, E.C.

**CAMERAS WANTED.**

Single models or dealers' stocks; high prices given. Original cost price allowed for Vest Pocket Kodaks with R.R. lenses. Also wanted urgently, Ensignettes, Watch-Pocket Carabines, etc. Prompt replies, courteous treatment. Goods returned immediately if no business, carriage paid.

WATSON'S, 84 HIGH ST., SHEFFIELD.

**A BAD SIXPENCE**

is quite useless, but a good sixpence will get you six stamps. Send them on to cover postage, and we will send you, free, best set of samples on market. Wholesale buyers only wanted. Cash with order. Terms. To all opening a/c's we send free 100 Bonus. Now then, write now, have the samples for 6d. in stamps.

NI-VERRE CHEMICAL COMPANY,  
Pharmaceutical and Toilet Preparations,  
5 to 7 Ormeau Avenue BELFAST (Ireland).

**DISPENSING BOTTLES & PHIALS.**

**CLEAR BLUE TINTED.**—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.

**BEST QUININE TINTED.**—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.

**WHITE PHIALS.**— $\frac{1}{2}$  oz., 1 oz.,  $1\frac{1}{2}$  oz., 2 oz. Plain or teaspoons.

**BLUE LOTION BOTTLES.**— $\frac{1}{2}$  oz., 1 oz.,  $1\frac{1}{2}$  oz., 2 oz., 3 oz., 4 oz., 6 oz., 8 oz., 12 oz.

**PANEL BOTTLES.**

We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

**CORKS.** Good Quality. For 6 and 8 oz. bottles, 1/6 per gross in 6 gross bags. For phials 1/- per gross in 3 gross bags.

**I. ISAACS & CO.,**

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention.

Established 100 Years.

**WAR WANTS EXCHANGE.**

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

**TERMS**

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST, AND DRUGGIST."

**WANTED.**

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

**THE WAR WANTS EXCHANGE,**

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

|                                   |                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------|
| Adalin (26/8)                     | Phenacetin (26/8)                                                              |
| Amidol (145/64)                   | Pot. permang. (145/64)                                                         |
| Bromural powder or tablets (26/8) | Pyramidon (26/8)                                                               |
| Cycloform (25/8)                  | Sodium sozoiodol (26/8)                                                        |
| Eugallol (26/8)                   | Ung. cycloform co. (26/8)                                                      |
| Gelineau's dragees (26/8)         | Uranium, yellow (Resorcinol-phthalein), a fluorescent coal-tar product (139/7) |
| Iodoghiline (243/3)               | Zinc sozoiodol (26/8)                                                          |
| Luminal tablets (146/25)          |                                                                                |
| Odol (26/8)                       |                                                                                |
| Phenacetin, lb. or less (23/20)   |                                                                                |

**FOR DISPOSAL.**

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

|                                            |                                                         |
|--------------------------------------------|---------------------------------------------------------|
| Aspirin (Bayer), powder and tablets (25/2) | Morph. sulph., 2 drams (20/10)                          |
| Benzo-naphthol, 8 oz. (24/27)              | Morph. tart., $\frac{1}{4}$ grs. (500 tablets) (20/10)  |
| Beta eucaine, 1 oz. (24/27)                | Phenacetin co. tablets, pink and white (10,000) (24/30) |
| Bromural (25/2)                            | Resorein, 4 oz. (20/10)                                 |
| Ferratin (4 x 25 grams) (24/34)            | Resorein, 5 oz. (24/27)                                 |
| Guaiacol carb., 4 oz. (20/10)              | Santonin, 2 oz. (24/27)                                 |
| Iodoghiline (25/2)                         |                                                         |
| Medinal (25/2)                             |                                                         |

**EXCHANGE COLUMN**

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can be no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**FOR DISPOSAL.****DENTAL.**

FOR sale, 16 dental showpieces, celluloid and vulcanite, from 3s. 6d. R. Lamb, 123 West End Lane, London.

**DRUGS AND CHEMICALS**

70 doz. 3d. tins Brompton Hospital lozenges, packed 1 doz. outers, 15s. gross. 69 High Street. Shaw.  
1 cwt. liquorice-juce in 10-lb. blocks, small stock, for sale. Offers to "Minim" (28/20), Office of this Paper.

**PROPRIETARY ARTICLES.**

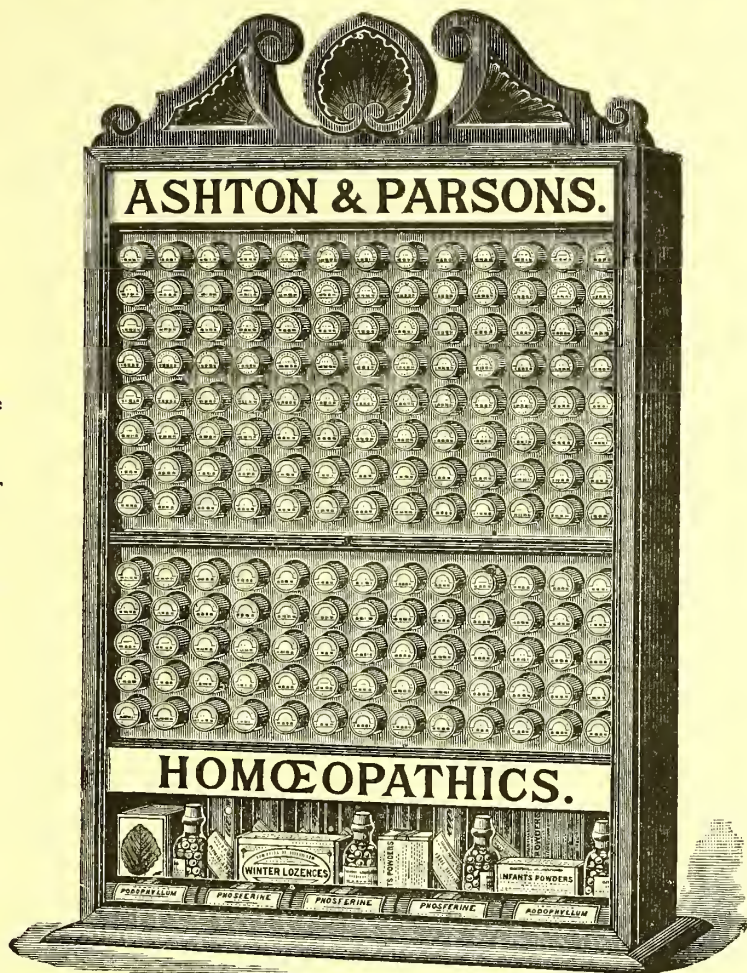
12 dozen "Curit" corn-cure for sale, with showcards complete; splendid selling line; 1s. 1½d. requires extra 1½d. stamp; will accept 3s. 6d. doz. Lewis, 175 Brownhill Road, Catford, London.

**WANTED.**

WANTED, iodine, linseed oil. Apply, 14/5, Office of this Paper.  
DRALLE'S Syringa perfume. Quantity, price, Brooks, Ltd., 36 King Street, Blackpool.  
WATER or air bed, bolster, and pillow-cases, perfectly clean, 30s. Vaughan, 12 Leeds Bridge, Leeds.  
WANTED, Salicia in quantity, spot or forward delivery. Lowest cash terms, 141/48, Office of this Paper.  
COLLAPSIBLE-TUBE filling machine, capable of filling a large number of tubes per hour; must be in good condition. Apply, 143/41, Office of this Paper.  
CARDBOARD, any quantity; send sample and lowest price for cash; also bottles, all kinds, 2 dram to 10 oz. Raybould, Whitehouse & Co., Ltd., Dudley.  
WANTED, National cash register, printing on detail strip and receipt; must be in good condition. Write, stating lowest cash price, to F. O'Malley, 3 Hemingford Road, Barnsbury, N.  
TO East Coast Chemists.—Agfa flash-light powder wanted in 10, 25, or 50 gramme tins. Offers to S. & S., 3 Fulbrooke Road, Cambridge.  
STAMPS.—Wanted, to buy collection or loose lots, also to exchange or sell duplicates. Address Secretary, Hull Philatelic Society, Pryme Street, Hull.  
OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.  
HALE'S Vin Sanguis.—If Chemist has surplus stock will be write to the following, stating price? 25, 19, Office of this Paper.



# ASHTON & PARSONS' HOMŒOPATHIC SHOWCASE



18/-

18/-

**THE "A. & P." SHOWCASE**  
PRICE . . . 18/-

ASHTON & PARSONS supply their Showcases at actual cost price  
No need to purchase a large quantity of unsaleable stock to obtain a  
so-called "free" Showcase.

WRITE FOR ILLUSTRATED LIST, POST FREE.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.



By Royal Warrant of Appointment  
to H.M. The King.



By Royal Warrant of Appointment  
to H.M. The King.

Only  
**ONE**  
Address.

**DAY & SONS,** ESTABLISHED 1840.  
**CREWE, LTD.** (CREWE)  
HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only  
**ONE**  
Address.

**LARGEST SALE IN THE WORLD.**



### DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

### DAYS' HUSKOLEIN.

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

### DAYS' "ZOMO-SAL."

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

### DAYS' RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

### DAYS' OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

### DAYS' WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.



### DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM  
**DAY & SONS, CREWE, LTD.,**  
**CREWE, ENGLAND.**  
LIBERAL TERMS FOR FOREIGN BUYERS.



**BRITAIN** AND **FRANCE** ARE FIGHTING SIDE BY SIDE, NOT ONLY ON THE FIELD OF BATTLE, BUT ALSO ON THE **FIELD** OF **COMMERCE**. THEIR **VICTORIES** IN THIS SPHERE ONLY FORESHADOW THE FINAL **OVERTHROW** OF **GERMANY**. ALL **LOYAL CHEMISTS** MUST HELP TO CONSOLIDATE THE **GREAT COMMERCIAL VICTORY**.

ROUGE DE THEATRE.



IN  
FOUR  
TINTS.

No. 117. 2/3 per dozen.  
No. 118. 3/3 per dozen.  
No. 104. 4/6 per dozen

SOLID POWDER WITH PUFF.



ROSE, RACHEL, BLANCHE OCREE,  
MAUVE, NATURELLE, ROSETTE,  
BRUN. No. 65. 6/- per dozen.

CUSTOMER'S NAME ON 1 GROSS LOTS FREE.  
ALL PLUS 10% AND 4 1/2 %

ROUGE DE VILLE.



IN  
FOUR  
TINTS.

No. 67. 2/9 per dozen.  
No. 68. 3/9 per dozen.  
No. 69. 5/- per dozen.

**POUDRE de RIZ de  
JAVA,**  
AND OTHER  
**TOILET POWDERS.**

**LIP SALVES,  
COSMETICS,  
BRILLIANTINES,**  
ETC. ETC.



NEW ILLUSTRATED  
**CATALOGUE**  
ON APPLICATION.

**A. BOURJOIS ET C<sup>IE</sup>**  
**PARIS, and**  
**4 LUDGATE SQ.,**  
**LONDON, E.C.**

EYEBROW PENCILS No. 1. ALL COLOURS. ON CARDS. 2/7 per dozen Net.

## CLAIRE'S THEATRICAL GREASE PAINTS

**BRITISH MADE** NOT SINCE THE WAR, BUT FOR **25 YEARS** PREVIOUSLY,  
IN ALL THE USUAL COLOURS.

FULL-SIZED 6d. STICKS, **PAINTS** AND **CARMINES**

**3/6** PER DOZEN.

**39/-** PER GROSS.

SHORT LINERS 2/- PER DOZ.

LONG LINERS 2/9 PER DOZ.

NOT LESS THAN 1/2 DOZEN OF ANY ONE COLOUR AT ABOVE PRICES. SMALL ASSORTED LOTS 3d. PER DOZEN EXTRA.

CLAIRE'S CARMINE FOR THE LIPS (2 SHADES) IN PORCELAIN POTS, 7/6 PER DOZEN.

CLAIRE'S COCOA BUTTER, **SMALL**, 3/3 per doz. ; **MEDIUM**, 4/6 per doz. ; **LARGE**, 9/- per doz.  
NIGGER BLACK, SPIRIT GUM, "MAKE-UP" BOXES, CREPE HAIR, ETC.

CATALOGUE ON APPLICATION.

**HENRY C. QUELCH & CO.**  
**4 & 5 LUDGATE SQUARE, LONDON, E.C.**



# GLYCERIN SUBSTITUTE "BELL"

We have succeeded in producing an entirely new liquid cream which possesses the softening and emollient action on the skin hitherto only found in Glycerin, for which it forms a perfect substitute.

In Bulk, 1/2 lb. ; W. Qts. 11d. lb.

JOHN BELL, HILLS & LUCAS, LTD. (*Established in 1798*),  
OXFORD WORKS, TOWER BRIDGE ROAD, S.E.

## DISINFECTANTS

Supplied in Fluid and Powder Form. With guarantee of Tar Acids or Co-efficiency.

## LIQUID SHEEP DIP

Paste and Block Form also supplied. All approved for Sheep Scab.

Chemists and Druggists may offer the above goods under their own name and brand.

## "IALINE"-LYSOL. BRITISH-MADE.

## BURT BOULTON & HAYWOOD LTD.

Head Offices : 64 CANNON STREET, LONDON, E.C.

Chemical Works : Prince Regent's Works, Silvertown, E.

*A guarantee Cadbury's Cocoa Essence (unflavoured)  
is absolutely pure & prepared only from the finest selected Cocoa*



## PATTINSON'S MAGNESIA

CARBONATE, CALCINED AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.  
London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 6 Lloyd's Avenue, London, E.C.